

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0013	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Maintenance Area 0013	A	41.97						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Trim / Thin Trees	0.30		0.30	0.72%				
Encroachments	0.57		0.57	1.36%	11.05			
Slope Stability	0.01		0.01	0.02%				
Erosion / Bank Caving	0.02		0.02	0.05%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.02%				
DWR UCIP Field Study					6.05	1.09		
<i>LMA Totals:</i>	0.91	0.00	0.91	2.17%	17.11	1.09	0.00	0.00

Unit No. 01 Cherokee Canal RB	Overall Unit Rating	Total Unit Miles						
MA0013	A	18.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.03		0.03	0.16%				
Encroachments	0.04		0.04	0.21%	4.96			
Slope Stability	0.01		0.01	0.05%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.05%				
DWR UCIP Field Study					2.77	0.42		
<i>Unit Totals:</i>	0.09	0.00	0.09	0.48%	7.73	0.42	0.00	0.00

Unit No. 02 Cherokee Canal LB	Overall Unit Rating	Total Unit Miles						
MA0013	A	23.10						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Trim / Thin Trees	0.27		0.27	1.17%				
Encroachments	0.53		0.53	2.29%	6.09			
Erosion / Bank Caving	0.02		0.02	0.09%				
<i>Supplemental</i>								
DWR UCIP Field Study					3.28	0.67		
<i>Unit Totals:</i>	0.82	0.00	0.82	3.55%	9.38	0.67	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

Waterway			Bank	Unit Miles
Unit No. 01 Cherokee Canal			Right	18.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/10/2013 - 05/10/2013		10/31/2013 - 10/31/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	WS A Ma		°	°	1
DWR ID: DWR_MA0013_01_s_2013_1									
2			Earthen Levee	Emergency Supplies & Equipment	WS A Ma		°	°	8
DWR ID: DWR_MA0013_01_s_2013_8									
3			Earthen Levee	Flood Preparedness & Training	WS A Ma		°	°	16
DWR ID: DWR_MA0013_01_s_2013_16									
4	0.00	0.00	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4342 EP_NO: Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: new field comment. FIELD_STRUCT_DESC: FS Date: 4/18/2012 9:57:00 AM	0.000000 ° 0.000000 °	0.000000 ° 0.000000 °	4
DWR ID: DWR_MA0013_01_f_2013_4									
5	0.29	0.29	Supplemental	DWR UCIP Field Study	WS U En	Inspector Comments: FS_ID:3611 EP_NO: 6135 Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 8 inch steel pipe through the levee 2.8 feet below the crown. Per permit requirements, during the flood season the 5 inch irrigation pipe will be removed and a plate bolted over the waterside end of the 8 inch. Current configuration does not allow for 5 inch irrigation pipe to slide pipe through. 8 inch pipe is welded solid. (Permit No. 6135-1968) FS Date: 4/17/2012 3:58:00 PM	39.593093 ° -121.703572 °	39.593093 ° -121.703572 °	21
DWR ID: DWR_MA0013_01_f_2013_21									
6	0.45	0.45	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4340 EP_NO: 123450 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: This is a sample inspector comment. FIELD_STRUCT_DESC: This is a sample field findings structure description. FS Date: 4/18/2012 9:57:00 AM	38.123450 ° -121.123450 °	38.123450 ° -121.123450 °	22
DWR ID: DWR_MA0013_01_f_2013_22									
7	0.45	0.45	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4341 EP_NO: 12345 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: inspector comment. FIELD_STRUCT_DESC: structure desc. FS Date: 4/18/2012 9:57:00 AM	38.112340 ° -121.123120 °	38.112340 ° -121.123120 °	23
DWR ID: DWR_MA0013_01_f_2013_23									

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Sutter Maintenance Yard Maintenance Area 0013

13	1.62	1.62	Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4822 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. From WS, sediment is visible inside pipe. FIELD_STRUCT_DESC: 36 inch irrigation corrugated metal pipe through the levee, 7.8 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	25
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DWR ID: DWR_MA0013_01_f_2013_25

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_28

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

17	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3960 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10' off toe, needs repair. Minor cracking & spawling on land side headwall FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 8.3 feet below crown located on the Cherokee Canal - Right Bank. There is a riser unit located on the waterside. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/18/2012 9:57:00 AM	39.576883 ° -121.702767 °	39.576883 ° -121.702767 °	29
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DWR ID: DWR_MA0013_01_f_2013_29

18	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: new field comment. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 8.3 feet below crown located on the Cherokee Canal - Right Bank. There is a riser unit located on the waterside. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/18/2012 9:57:00 AM	39.576910 ° -121.702740 °	39.576910 ° -121.702740 °	30
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DWR ID: DWR_MA0013_01_f_2013_30

19	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4500 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. Sediment visible inside pipe from WS. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 8.3 feet below crown located on the Cherokee Canal - Right Bank. There is a riser unit located on the waterside. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/18/2012 9:57:00 AM	39.576883 ° -121.702767 °	39.576883 ° -121.702767 °	31
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DWR ID: DWR_MA0013_01_f_2013_31

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
20	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. From WS, sediment is visible inside pipe. FIELD_STRUCT_DESC: 36 inch irrigation corrugated metal pipe through the levee, 7.8 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	32
DWR ID: DWR_MA0013_01_f_2013_32										
21	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3103 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: DELETE RECORD!!! FIELD_STRUCT_DESC: 26-inch irrigation pipe through the levee, 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1960). FS Date: 4/17/2012 4:59:00 PM	39.576900 ° -121.702770 °	39.576900 ° -121.702770 °	33
DWR ID: DWR_MA0013_01_f_2013_33										
22	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4508 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. Sediment visible inside pipe from WS. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 8.3 feet below crown located on the Cherokee Canal - Right Bank. There is a riser unit located on the waterside. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	34
DWR ID: DWR_MA0013_01_f_2013_34										
23	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3041 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10' off toe, needs repair. Minor cracking & spawling on land side headwall FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 8.3 feet below crown located on the Cherokee Canal - Right Bank. There is a riser unit located on the waterside. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/18/2012 9:57:00 AM	39.576910 ° -121.702740 °	39.576910 ° -121.702740 °	35
DWR ID: DWR_MA0013_01_f_2013_35										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_38Page 6 of 130

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

27	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5960 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet from toe, needs repair. From WS, sediment is visible inside pipe. FIELD_STRUCT_DESC: 36 inch irrigation corrugated metal pipe through the levee, 7.8 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	39
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DWR ID: DWR_MA0013_01_f_2013_39

28	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2924 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10' off toe, needs repair. Minor cracking & spawling on land side headwall FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 8.3 feet below crown located on the Cherokee Canal - Right Bank. There is a riser unit located on the waterside. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/18/2012 9:57:58 AM	39.576910 ° -121.702740 °	39.576910 ° -121.702740 °	40
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DWR ID: DWR_MA0013_01_f_2013_40

29	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5384 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. From WS, sediment is visible inside pipe. FIELD_STRUCT_DESC: 36 inch irrigation corrugated metal pipe through the levee, 7.8 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	41
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DWR ID: DWR_MA0013_01_f_2013_41

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

30	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5941 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. From WS, sediment is visible inside pipe. FIELD_STRUCT_DESC: 36 inch irrigation corrugated metal pipe through the levee, 7.8 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	42 Y
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DWR ID: DWR_MA0013_01_f_2013_42

31	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5940 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. From WS, sediment is visible inside pipe. FIELD_STRUCT_DESC: 36 inch irrigation corrugated metal pipe through the levee, 7.8 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	43
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DWR ID: DWR_MA0013_01_f_2013_43

32	1.62	1.62	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5660 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe collapse on waterside 10 feet of toe, needs repair. From WS, sediment is visible inside pipe. FIELD_STRUCT_DESC: 36 inch irrigation corrugated metal pipe through the levee, 7.8 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.62). FS Date: 4/17/2012	39.576883 ° -121.702770 °	39.576883 ° -121.702770 °	44
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DWR ID: DWR_MA0013_01_f_2013_44

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_47

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_50Page 10 of 130

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_53

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_56

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

45	1.69	1.69	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3266 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has 4" pipe inside blocking Positive closure/ notify land ownerto remove prior to flood season. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/18/2012 10:09:00 AM	39.575816 ° -121.702897 °	39.575816 ° -121.702897 °	57 Y
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DWR ID: DWR_MA0013_01_f_2013_57

46	1.69	1.69	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3044 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has 4" pipe inside blocking Positive closure/ notify land ownerto remove prior to flood season. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/18/2012 10:09:00 AM	39.576020 ° -121.702870 °	39.576020 ° -121.702870 °	58
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DWR ID: DWR_MA0013_01_f_2013_58

47	1.69	1.69	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2930 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has 4" pipe inside blocking Positive closure/ notify land ownerto remove prior to flood season. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/18/2012 10:09:13 AM	39.576020 ° -121.702870 °	39.576020 ° -121.702870 °	59
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DWR ID: DWR_MA0013_01_f_2013_59

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

48	1.70	1.70	Supplemental	DWR UCIP Field Study	LS En	M	<p>Inspector Comments: FS_ID:5385 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch pipe inside blocking positive closure/notify landowner to remove prior to flood season. LS crossing is blocked about 50% by sediment build up. Burrow activity present on LS near crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/17/2012</p>	39.575816 ° -121.702900 °	39.575816 ° -121.702900 °	60
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DWR ID: DWR_MA0013_01_f_2013_60

49	1.70	1.70	Supplemental	DWR UCIP Field Study	LS En	M	<p>Inspector Comments: FS_ID:3967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has 4-inch pipe inside blocking positive closure/notify land owner to remove prior to flood season. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/18/2012 10:09:00 AM</p>	39.575816 ° -121.702897 °	39.575816 ° -121.702897 °	61
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DWR ID: DWR_MA0013_01_f_2013_61

50	1.70	1.70	Supplemental	DWR UCIP Field Study	LS En	M	<p>Inspector Comments: FS_ID:5641 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch pipe inside blocking positive closure/notify landowner to remove prior to flood season. LS crossing is blocked about 50% by sediment build up. Burrow activity present on LS near crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/17/2012</p>	39.575816 ° -121.702900 °	39.575816 ° -121.702900 °	62
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DWR ID: DWR_MA0013_01_f_2013_62

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

51	1.70	1.70	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4823 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch pipe inside blocking positive closure/notify landowner to remove prior to flood season. LS crossing is blocked about 50% by sediment build up. Burrow activity present on LS near crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/17/2012</p>	39.575816 ° -121.702900 °	39.575816 ° -121.702900 °	63
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DWR ID: DWR_MA0013_01_f_2013_63

52	1.70	1.70	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4509 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch pipe inside blocking positive closure/notify landowner to remove prior to flood season. LS crossing is blocked about 50% by sediment build up. Burrow activity present on LS near crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 4/17/2012</p>	39.575816 ° -121.702900 °	39.575816 ° -121.702900 °	64
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DWR ID: DWR_MA0013_01_f_2013_64

53	1.70	1.70	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:15747 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has 4-inch pipe inside blocking positive closure/notify landowner to remove prior to flood season. LS crossing is blocked about 50% by sediment build up. Burrow activity present on LS near crossing. 7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 7.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwall on the landward side. 36-inch concrete standpipe in the channel with 2 piles to deflect debris (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.69). FS Date: 7/16/2013 7:19:15 AM</p>	39.575816 ° -121.702900 °	39.575816 ° -121.702900 °	65
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DWR ID: DWR_MA0013_01_f_2013_65

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_68

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

57	2.35	2.35	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2932 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing/ headwall buried. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/18/2012 10:17:26 AM	39.566420 ° -121.703760 °	39.566420 ° -121.703760 °	69
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DWR ID: DWR_MA0013_01_f_2013_69

58	2.35	2.35	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3267 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing/ headwall buried. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/18/2012 10:17:00 AM	39.566434 ° -121.703753 °	39.566434 ° -121.703753 °	70 Y
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DWR ID: DWR_MA0013_01_f_2013_70

59	2.36	2.36	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15748 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. 7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 7/16/2013 7:20:09 AM	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	71
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DWR ID: DWR_MA0013_01_f_2013_71

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

60	2.36	2.36	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5454 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/17/2012	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	72
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DWR ID: DWR_MA0013_01_f_2013_72

61	2.36	2.36	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5717 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/17/2012	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	73
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DWR ID: DWR_MA0013_01_f_2013_73

62	2.36	2.36	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4510 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/17/2012	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	74
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DWR ID: DWR_MA0013_01_f_2013_74

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

63	2.36	2.36	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:3968 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing/headwall buried. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/18/2012 10:17:00 AM</p>	39.566434 ° -121.703753 °	39.566434 ° -121.703753 °	75
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DWR ID: DWR_MA0013_01_f_2013_75

64	2.36	2.36	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5642 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/17/2012</p>	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	76
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DWR ID: DWR_MA0013_01_f_2013_76

65	2.36	2.36	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4503 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/18/2012 10:17:00 AM</p>	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	77
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DWR ID: DWR_MA0013_01_f_2013_77

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

66	2.36	2.36	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4502 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall burried. LS headwall is buried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/18/2012 10:17:00 AM	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	78
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DWR ID: DWR_MA0013_01_f_2013_78

67	2.36	2.36	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:5386 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall burried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/17/2012	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	79
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DWR ID: DWR_MA0013_01_f_2013_79

68	2.36	2.36	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4824 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non functional crossing due to LS headwall burried. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0119 for no inlet or outlet visible. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee 7.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe continues across channel. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.35). FS Date: 4/17/2012	39.566434 ° -121.703750 °	39.566434 ° -121.703750 °	80
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DWR ID: DWR_MA0013_01_f_2013_80

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
69	2.74	2.74	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2935 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.4 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.74). FS Date: 4/18/2012 10:21:13 AM	39.561150 ° -121.705110 °	39.561150 ° -121.705110 °	81
DWR ID: DWR_MA0013_01_f_2013_81										
70	3.07	3.07	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5665 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible during the Spring 2012 Inspection. Attempt to find crossing during next inspection when slopes are cleared of vegetation. FIELD_STRUCT_DESC: 24-inch drainpipe through the levee, flap gate on waterward end. Concrete headwall on both ends. FS Date: 4/17/2012 5:25:00 PM	39.556276 ° -121.706510 °	39.556276 ° -121.706510 °	82
DWR ID: DWR_MA0013_01_f_2013_82										
71	3.07	3.07	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4505 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible during the Spring 2012 Inspection. Attempt to find crossing during next inspection when slopes are cleared of vegetation. FIELD_STRUCT_DESC: 24-inch drainpipe through the levee, flap gate on waterward end. Concrete headwall on both ends. FS Date: 4/17/2012 5:25:00 PM	39.556276 ° -121.706510 °	39.556276 ° -121.706510 °	83
DWR ID: DWR_MA0013_01_f_2013_83										
72	3.07	3.07	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5455 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible during the Spring 2012 Inspection. Attempt to find crossing during next inspection when slopes are cleared of vegetation. FIELD_STRUCT_DESC: 24-inch drainpipe through the levee, flap gate on waterward end. Concrete headwall on both ends. FS Date: 4/17/2012 5:25:00 PM	39.556276 ° -121.706510 °	39.556276 ° -121.706510 °	84
DWR ID: DWR_MA0013_01_f_2013_84										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

73	3.07	3.07	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5388 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible during the Spring 2012 Inspection. Attempt to find crossing during next inspection when slopes are cleared of vegetation. FIELD_STRUCT_DESC: 24-inch drainpipe through the levee, flap gate on waterward end. Concrete headwall on both ends. FS Date: 4/17/2012 5:25:00 PM	39.556276 ° -121.706510 °	39.556276 ° -121.706510 °	85
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DWR ID: DWR_MA0013_01_f_2013_85

74	3.07	3.07	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15750 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Crossing not visible during the Spring 2012 Inspection. Attempt to find crossing during next inspection when slopes are cleared of vegetation. 7/15/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 24-inch drainpipe through the levee, flap gate on waterward end. Concrete headwall on both ends. FS Date: 7/16/2013 7:30:07 AM	39.556276 ° -121.706510 °	39.556276 ° -121.706510 °	86
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DWR ID: DWR_MA0013_01_f_2013_86

75	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4506 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment. Opening is covered approximately 50%. LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 4/18/2012 10:25:00 AM	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	87
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DWR ID: DWR_MA0013_01_f_2013_87

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

76	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:16683 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. 7/15/2013 Pipe appears to have a possible hole in top of pipe about 10ft. in from LS headwall. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 7/31/2013 8:28:45 AM	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	88
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DWR ID: DWR_MA0013_01_f_2013_88

77	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4512 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment. Opening is covered approximately 50%. LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 4/17/2012	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	89
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DWR ID: DWR_MA0013_01_f_2013_89

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

78	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 4/17/2012	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	90
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DWR ID: DWR_MA0013_01_f_2013_90

79	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15866 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. 7/15/2013 Pipe appears to have a possible hole in top of pipe about 10ft. in from LS headwall. May need camera inspection to investigate further. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 7/16/2013 10:42:41 AM	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	91
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DWR ID: DWR_MA0013_01_f_2013_91

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

80	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:15867 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. 7/15/2013 Pipe appears to have a possible hole in top of pipe about 10ft. in from LS headwall. May need camera inspection to investigate further. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 7/16/2013 10:45:30 AM</p>	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	92
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DWR ID: DWR_MA0013_01_f_2013_92

81	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5389 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 4/17/2012</p>	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	93
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DWR ID: DWR_MA0013_01_f_2013_93

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

82	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3982 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS opening is covered with sediment due to higher LS floor. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157) FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 4/18/2012 10:25:00 AM	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	94
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DWR ID: DWR_MA0013_01_f_2013_94

83	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5456 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 4/17/2012	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	95
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DWR ID: DWR_MA0013_01_f_2013_95

84	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4825 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 4/17/2012	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	96
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DWR ID: DWR_MA0013_01_f_2013_96

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

85	3.10	3.10	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:16684 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS headwall blocked by sediment (50 % of opening is covered). LS floor is higher than LS pipe invert. WS headwall has been recently cleared of vegetation and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0157 for WS and LS inlet/outlet blocked by sediment. 7/15/2013 Pipe appears to have a possible hole in top of pipe about 10ft. in from LS headwall. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe 11.8 feet below the crown. Flapgate is located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.10). FS Date: 7/16/2013</p>	39.556310 ° -121.706470 °	39.556310 ° -121.706470 °	97 Y
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DWR ID: DWR_MA0013_01_f_2013_97

86	3.29	3.29	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:3080 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steam is bent and prevents gate from fully closing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM</p>	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	98 Y
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DWR ID: DWR_MA0013_01_f_2013_98

87	3.29	3.29	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:3050 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steam is bent and prevents gate from fully closing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM</p>	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	99
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DWR ID: DWR_MA0013_01_f_2013_99

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

88	3.29	3.29	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3051 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Steam is bent and prevents gate from fully closing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	100
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DWR ID: DWR_MA0013_01_f_2013_100

89	3.29	3.29	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2942 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	101
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DWR ID: DWR_MA0013_01_f_2013_101

90	3.29	3.29	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:2938 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:30 AM	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	102
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DWR ID: DWR_MA0013_01_f_2013_102

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

91	3.29	3.29	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:3052 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Steam is bent and prevents gate from fully closing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	103
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DWR ID: DWR_MA0013_01_f_2013_103

92	3.30	3.30	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:4507 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is bent and prevents gate from fully closing. Both WS and LS have been cleared of debris and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0162 for inoperable gates on WS & LS due to sediment and grass blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	104
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DWR ID: DWR_MA0013_01_f_2013_104

93	3.30	3.30	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is bent and prevents gate from fully closing. Both WS and LS have been cleared of debris and sediment. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0162) FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/18/2012 10:30:00 AM	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	105
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DWR ID: DWR_MA0013_01_f_2013_105

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

94	3.30	3.30	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5457 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is bent and prevents gate from fully closing. Both WS and LS have been cleared of debris and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0162 for inoperable gates on WS & LS due to sediment and grass blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/17/2012</p>	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	106
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DWR ID: DWR_MA0013_01_f_2013_106

95	3.30	3.30	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4513 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is bent and prevents gate from fully closing. Both WS and LS have been cleared of debris and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0162 for inoperable gates on WS & LS due to sediment and grass blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/17/2012</p>	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	107
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DWR ID: DWR_MA0013_01_f_2013_107

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

96	3.30	3.30	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5390 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate stem is bent and prevents gate from fully closing. Both WS and LS have been cleared of debris and sediment. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0162 for inoperable gates on WS & LS due to sediment and grass blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.9 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.29). FS Date: 4/17/2012	39.553490 ° -121.706680 °	39.553490 ° -121.706680 °	108
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DWR ID: DWR_MA0013_01_f_2013_108

97	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugate metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 4/18/2012	39.546592 ° -121.707560 °	39.546592 ° -121.707560 °	109
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DWR ID: DWR_MA0013_01_f_2013_109

98	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3987 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugate metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 4/18/2012 11:05:00 AM	39.546592 ° -121.707564 °	39.546592 ° -121.707564 °	110
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DWR ID: DWR_MA0013_01_f_2013_110

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

99	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugate metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 4/18/2012	39.546592 ° -121.707560 °	39.546592 ° -121.707560 °	111 Y
DWR ID: DWR_MA0013_01_f_2013_111										
100	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5392 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugate metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 4/18/2012	39.546592 ° -121.707560 °	39.546592 ° -121.707560 °	112 Y
DWR ID: DWR_MA0013_01_f_2013_112										
101	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5666 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugate metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 4/18/2012	39.546592 ° -121.707560 °	39.546592 ° -121.707560 °	113 Y
DWR ID: DWR_MA0013_01_f_2013_113										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

102	3.78	3.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4515 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugate metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80). FS Date: 4/17/2012	39.546592 ° -121.707560 °	39.546592 ° -121.707560 °	114
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DWR ID: DWR_MA0013_01_f_2013_114

103	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5802 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered with silt. Slide gate is bent. Crossing appears not be in use. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	115
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DWR ID: DWR_MA0013_01_f_2013_115

104	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3990 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use. LS slide gate covered with silt. Slide gate is bent. Limited inspection on WS and LS slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707513 °	39.546317 ° -121.707513 °	116
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DWR ID: DWR_MA0013_01_f_2013_116

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

105	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15756 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered with silt. Slide gate is bent. Crossing appears not be in use. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. 7/15/2013 Slopes have been cleared of vegetation and are in good condition. LS screw gate is still bent and silted over. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 7/16/2013 7:39:28 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	117
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DWR ID: DWR_MA0013_01_f_2013_117

106	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5801 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered with silt. Slide gate is bent. Crossing appears not be in use. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	118
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DWR ID: DWR_MA0013_01_f_2013_118

107	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5393 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not be in use. LS slide gate covered with silt. Slide gate is bent. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	119
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DWR ID: DWR_MA0013_01_f_2013_119

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

108	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5459 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not be in use. LS slide gate covered with silt. Slide gate is bent. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	120
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DWR ID: DWR_MA0013_01_f_2013_120

109	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15757 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered with silt. Slide gate is bent. Crossing appears not be in use. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. 7/15/2013 Slopes have been cleared of vegetation and are in good condition. LS screw gate is still bent and silted over. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 7/16/2013 7:41:48 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	121
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DWR ID: DWR_MA0013_01_f_2013_121

110	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4523 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not be in use. LS slide gate covered with silt. Slide gate is bent. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	122
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DWR ID: DWR_MA0013_01_f_2013_122

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

111	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5617 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered with silt. Slide gate is bent. Crossing appears not be in use. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	123
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DWR ID: DWR_MA0013_01_f_2013_123

112	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears not be in use. LS slide gate covered with silt. Slide gate is bent. Limited inspection on WS and LS slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	124
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DWR ID: DWR_MA0013_01_f_2013_124

113	3.80	3.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5942 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate covered with silt. Slide gate is bent. Crossing appears not be in use. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707510 °	39.546317 ° -121.707510 °	125
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DWR ID: DWR_MA0013_01_f_2013_125

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

114	3.82	3.82	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3104 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707513 °	39.546317 ° -121.707513 °	126
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DWR ID: DWR_MA0013_01_f_2013_126

115	3.82	3.82	Supplemental	DWR UCIP Field Study	LS En	U	Inspector Comments: FS_ID:3272 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707513 °	39.546317 ° -121.707513 °	127
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DWR ID: DWR_MA0013_01_f_2013_127

116	3.82	3.82	Supplemental	DWR UCIP Field Study	LS En	U	Inspector Comments: FS_ID:2946 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:54 AM	39.546350 ° -121.707530 °	39.546350 ° -121.707530 °	128
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DWR ID: DWR_MA0013_01_f_2013_128

117	3.82	3.82	Supplemental	DWR UCIP Field Study	LS En	U	Inspector Comments: FS_ID:3085 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546350 ° -121.707530 °	39.546350 ° -121.707530 °	129
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DWR ID: DWR_MA0013_01_f_2013_129

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
118	3.82	3.82	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3081 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546350 ° -121.707530 °	39.546350 ° -121.707530 °	130
DWR ID: DWR_MA0013_01_f_2013_130										
119	3.82	3.82	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3304 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707513 °	39.546317 ° -121.707513 °	131
DWR ID: DWR_MA0013_01_f_2013_131										
120	3.82	3.82	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3086 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Not in Use FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.82). FS Date: 4/18/2012 11:09:00 AM	39.546317 ° -121.707513 °	39.546317 ° -121.707513 °	132
DWR ID: DWR_MA0013_01_f_2013_132										
121	4.13	4.20	Earthen Levee	Encroachments	LS	M En	TR : Tree or limb	39.541660 ° -121.707408 °	39.540651 ° -121.707404 °	18 Y
DWR ID: DWR_MA0013_01_s_2013_18										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
122	4.42	4.42	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:5667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on landside inlet. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0189 for sediment and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 9.1 feet below The crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.43). FS Date: 4/18/2012 11:17:00 AM	39.537516 ° -121.707580 °	39.537516 ° -121.707580 °	133
DWR ID: DWR_MA0013_01_f_2013_133										
123	4.42	4.42	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:4518 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on landside inlet. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0189 for sediment and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 9.1 feet below The crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.43). FS Date: 4/18/2012 11:17:00 AM	39.537516 ° -121.707580 °	39.537516 ° -121.707580 °	134
DWR ID: DWR_MA0013_01_f_2013_134										
124	4.42	4.42	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:5460 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on landside inlet. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0189 for sediment and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 9.1 feet below The crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.43). FS Date: 4/18/2012 11:17:00 AM	39.537516 ° -121.707580 °	39.537516 ° -121.707580 °	135
DWR ID: DWR_MA0013_01_f_2013_135										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

125	4.42	4.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on landside inlet. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0189) FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 9.1 feet below The crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.43). FS Date: 4/18/2012 11:17:00 AM	39.537516 ° -121.707584 °	39.537516 ° -121.707584 °	136
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DWR ID: DWR_MA0013_01_f_2013_136

126	4.42	4.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15759 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on landside inlet. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0189 for sediment and grass blocking WS and LS.7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 9.1 feet below The crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.43). FS Date: 7/16/2013 7:47:30 AM	39.537516 ° -121.707580 °	39.537516 ° -121.707580 °	137 Y
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DWR ID: DWR_MA0013_01_f_2013_137

127	4.42	4.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5395 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris on landside inlet. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0189 for sediment and grass blocking WS and LS. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 9.1 feet below The crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.43). FS Date: 4/18/2012 11:17:00 AM	39.537516 ° -121.707580 °	39.537516 ° -121.707580 °	138
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DWR ID: DWR_MA0013_01_f_2013_138

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_141

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

131	5.42	5.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on LS slope. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0204 for restriction view of gates. 7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 7/16/2013 7:58:51 AM	39.523236 ° -121.707650 °	39.523236 ° -121.707650 °	142
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DWR ID: DWR_MA0013_01_f_2013_142

132	5.42	5.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on LS slope. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0204 for restriction view of gates. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 4/18/2012 11:27:00 AM	39.523236 ° -121.707650 °	39.523236 ° -121.707650 °	143
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DWR ID: DWR_MA0013_01_f_2013_143

133	5.42	5.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4004 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on LS slope. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0204) FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 4/18/2012 11:27:00 AM	39.523236 ° -121.707654 °	39.523236 ° -121.707654 °	144
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DWR ID: DWR_MA0013_01_f_2013_144

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

134	5.42	5.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5668 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on LS slope. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0204 for restriction view of gates. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 4/18/2012 11:27:00 AM	39.523236 ° -121.707650 °	39.523236 ° -121.707650 °	145 Y
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DWR ID: DWR_MA0013_01_f_2013_145

135	5.42	5.42	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3997 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Minor vegetation on LS slope. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0204) FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 4/18/2012 11:27:00 AM	39.523236 ° -121.707654 °	39.523236 ° -121.707654 °	146
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DWR ID: DWR_MA0013_01_f_2013_146

136	5.42	5.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5397 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on LS slope. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0204 for restriction view of gates. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 4/18/2012 11:27:00 AM	39.523236 ° -121.707650 °	39.523236 ° -121.707650 °	147
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DWR ID: DWR_MA0013_01_f_2013_147

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

137	5.43	5.43	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3996 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor vegetation on LS slope. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID#USACE_CESPK_M13D_2011_p_0204) FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.43). FS Date: 4/18/2012 11:27:00 AM	39.523236 ° -121.707654 °	39.523236 ° -121.707654 °	148
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DWR ID: DWR_MA0013_01_f_2013_148

138	5.47	5.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4522 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of overview and cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	39.522566 ° -121.707560 °	39.522566 ° -121.707560 °	149
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DWR ID: DWR_MA0013_01_f_2013_149

139	5.47	5.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4840 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	39.522566 ° -121.707560 °	39.522566 ° -121.707560 °	150 Y
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DWR ID: DWR_MA0013_01_f_2013_150

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

140	5.47	5.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5669 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls an both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	39.522566 ° -121.707560 °	39.522566 ° -121.707560 °	151
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DWR ID: DWR_MA0013_01_f_2013_151

141	5.47	5.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5398 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls an both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	39.522566 ° -121.707560 °	39.522566 ° -121.707560 °	152
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DWR ID: DWR_MA0013_01_f_2013_152

142	5.47	5.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4005 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls an both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.48). FS Date: 4/18/2012 11:30:00 AM	39.522566 ° -121.707555 °	39.522566 ° -121.707555 °	153
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DWR ID: DWR_MA0013_01_f_2013_153

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

143	5.48	5.48	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3107 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: No catwalk. FIELD_STRUCT_DESC: 2 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit, 4 feet below crown elevation. Conduit on the downstream end is closed off with a removable concrete flashboard. Concrete "U" headwall on the landward side with slots for flashboards for other two openings. Catwalk and guardrails around headwall. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.49). FS Date: 4/18/2012 11:41:00 AM	39.522380 ° -121.707530 °	39.522380 ° -121.707530 °	154
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DWR ID: DWR_MA0013_01_f_2013_154

144	5.53	5.53	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3863 EP_NO: 5180 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: Temporary road low water crossing, original plans were for a four pipe arches, 22 inches high by 36 inches wide and 14 feet long. Size of structure varies and is defined each year by the applicant, Pacific Gas and Electric Company. Structure is allowed to be constructed after April and to be removed before October 15th of each year. (Permit No. 5180-1965) FS Date: 4/18/2012 11:47:00 AM	39.521380 ° -121.707730 °	39.521380 ° -121.707730 °	155 Y
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DWR ID: DWR_MA0013_01_f_2013_155

145	5.55	5.55	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4010 EP_NO: 5180 Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Temporary road low water crossing, original plans were for a four pipe arches, 22 inches high by 36 inches wide and 14 feet long. Size of structure varies and is defined each year by the applicant, Pacific Gas and Electric Company. Structure is allowed to be constructed after April and to be removed before October 15th of each year. (Permit No. 5180-1965) FS Date: 4/18/2012 11:47:00 AM	39.521380 ° -121.707730 °	39.521380 ° -121.707730 °	156
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DWR ID: DWR_MA0013_01_f_2013_156

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

146	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation build up at WS and LS headwall. Limited inspection due to dense vegetation on WS and LS slope. Need photo of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for WS gate submerged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM</p>	39.519212 ° -121.709030 °	39.519212 ° -121.709030 °	157
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DWR ID: DWR_MA0013_01_f_2013_157

147	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5948 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation build up at WS and LS headwall. Will need to clear sediment build up on both sides. Limited inspection due to dense vegetation on WS and LS slope. Need photo of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for WS gate submerged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM</p>	39.519212 ° -121.709030 °	39.519212 ° -121.709030 °	158
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DWR ID: DWR_MA0013_01_f_2013_158

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

148	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5947 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation build up at WS and LS headwall. Limited inspection due to dense vegetation on WS and LS slope. Need photo of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for WS gate submerged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	39.519212 ° -121.709030 °	39.519212 ° -121.709030 °	159
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DWR ID: DWR_MA0013_01_f_2013_159

149	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due to dense vegetation on WS and LS slope. High sedimentation build up at WS and LS headwall. Need photo of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for WS gate submerged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	39.519212 ° -121.709030 °	39.519212 ° -121.709030 °	160
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DWR ID: DWR_MA0013_01_f_2013_160

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

150	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4012 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection due to dense vegetation on WS and LS slope. High sedimentation build up at inlet. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210) FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	39.519212 ° -121.709025 °	39.519212 ° -121.709025 °	161
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DWR ID: DWR_MA0013_01_f_2013_161

151	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5464 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation build up at WS and LS headwall. Limited inspection due to dense vegetation on WS and LS slope. Need photo of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for WS gate submerged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	39.519212 ° -121.709030 °	39.519212 ° -121.709030 °	162
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DWR ID: DWR_MA0013_01_f_2013_162

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

152	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5952 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation build up at WS and LS headwall. Limited inspection due to dense vegetation on WS and LS slope. Need photo of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for WS gate submerged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	39.519212 ° -121.709030 °	39.519212 ° -121.709030 °	163
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DWR ID: DWR_MA0013_01_f_2013_163

153	5.72	5.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: High sedimentation build up at WS and LS headwall. Limited inspection due to dense vegetation on WS and LS slope. Need photo of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0210 for WS gate submerged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.73). FS Date: 4/18/2012 11:49:00 AM	39.519212 ° -121.709030 °	39.519212 ° -121.709030 °	164 Y
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DWR ID: DWR_MA0013_01_f_2013_164

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_166Page 51 of 130

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_168

Page 52 of 130

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

158	5.96	5.96	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4013 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near crossing; burrow holes present on LS FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 6.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.97). FS Date: 4/18/2012 11:24:00 AM	39.516059 ° -121.710806 °	39.516059 ° -121.710806 °	169
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DWR ID: DWR_MA0013_01_f_2013_169

159	5.96	5.96	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near crossing; burrow holes present on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 6.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.97). FS Date: 4/18/2012 11:24:00 AM	39.516059 ° -121.710810 °	39.516059 ° -121.710810 °	170
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DWR ID: DWR_MA0013_01_f_2013_170

160	5.96	5.96	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5465 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near crossing; burrow holes present on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 6.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.97). FS Date: 4/18/2012 11:24:00 AM	39.516059 ° -121.710810 °	39.516059 ° -121.710810 °	171
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DWR ID: DWR_MA0013_01_f_2013_171

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

161	5.96	5.96	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15771 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near crossing; burrow holes present on LS.7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 6.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.97). FS Date: 7/16/2013 8:29:56 AM	39.516059 ° -121.710810 °	39.516059 ° -121.710810 °	172
DWR ID: DWR_MA0013_01_f_2013_172										

162	5.96	5.96	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5404 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity near crossing; burrow holes present on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 6.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.97). FS Date: 4/18/2012 11:24:00 AM	39.516059 ° -121.710810 °	39.516059 ° -121.710810 °	173 Y
DWR ID: DWR_MA0013_01_f_2013_173										

163	6.33	6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate is buried. Pipe is not visible on LS toe. Limited inspection on WS slope due to dense vegetation.7/15/2013 WS slope has been cleared of vegetation and is in good condition. LS screw gate is still buried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 7/16/2013 8:32:47 AM	39.511337 ° -121.713620 °	39.511337 ° -121.713620 °	174
DWR ID: DWR_MA0013_01_f_2013_174										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

164	6.33	6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate is buried. Pipe is not visible on LS toe. Limited inspection on WS slope due to dense vegetation. 7/15/2013 WS slope has been cleared of vegetation and is in good condition. LS screw gate is still buried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 7/16/2013 8:31:25 AM	39.511337 ° -121.713620 °	39.511337 ° -121.713620 °	175
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DWR ID: DWR_MA0013_01_f_2013_175

165	6.33	6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5405 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. LS slide gate is buried. Pipe is not visible on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713620 °	39.511337 ° -121.713620 °	176
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DWR ID: DWR_MA0013_01_f_2013_176

166	6.33	6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5466 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate is buried. Pipe is not visible on LS toe. Limited inspection on WS slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713620 °	39.511337 ° -121.713620 °	177
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DWR ID: DWR_MA0013_01_f_2013_177

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

167	6.33	6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4017 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. LS slide gate is buried. Pipe is not visible on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713616 °	39.511337 ° -121.713616 °	178 Y
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DWR ID: DWR_MA0013_01_f_2013_178

168	6.33	6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4014 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. LS slide gate is buried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713616 °	39.511337 ° -121.713616 °	179
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DWR ID: DWR_MA0013_01_f_2013_179

169	6.33	6.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5803 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS slide gate is buried. Pipe is not visible on LS toe. Limited inspection on WS slope due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713620 °	39.511337 ° -121.713620 °	180
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DWR ID: DWR_MA0013_01_f_2013_180

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

170	6.33	6.33	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:4015 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. LS slide gate is buried. Pipe is not visible on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713616 °	39.511337 ° -121.713616 °	181
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DWR ID: DWR_MA0013_01_f_2013_181

171	6.34	6.34	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3145 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713616 °	39.511337 ° -121.713616 °	182
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DWR ID: DWR_MA0013_01_f_2013_182

172	6.34	6.34	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3369 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713616 °	39.511337 ° -121.713616 °	183
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DWR ID: DWR_MA0013_01_f_2013_183

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
173	6.34	6.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:54 AM	39.511300 ° -121.713660 °	39.511300 ° -121.713660 °	184
DWR ID: DWR_MA0013_01_f_2013_184										
174	6.34	6.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3142 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 7.4 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.34). FS Date: 4/18/2012 11:18:00 AM	39.511337 ° -121.713616 °	39.511337 ° -121.713616 °	185
DWR ID: DWR_MA0013_01_f_2013_185										
175	6.51	7.09	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.508928 ° -121.714842 °	39.501438 ° -121.719715 °	3 Y
DWR ID: DWR_MA0013_01_s_2012_3										
176	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4016 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Hole behind flashboards against slide gate on LS slope. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/23/2012 12:08:00 PM	39.508309 ° -121.715097 °	39.508309 ° -121.715097 °	186
DWR ID: DWR_MA0013_01_f_2013_186										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

177	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5661 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole behind flashboards against slide gate on LS slope (Health and Safety Issue). Limited inspection on WS slope due to dense vegetation. Need photo of cleared slope on WS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/18/2012	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	187
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DWR ID: DWR_MA0013_01_f_2013_187

178	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15774 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole behind flashboards against slide gate on LS slope (Health and Safety Issue). Limited inspection on WS slope due to dense vegetation. Need photo of cleared slope on WS. 7/15/2013 WS slope has been cleared of vegetation and is in good condition. Hole is still present behind flash boards on LS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 7/16/2013 8:34:48 AM	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	188
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DWR ID: DWR_MA0013_01_f_2013_188

179	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4544 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Hole behind flashboards against slide gate on LS slope. Need photo of cleared slope on WS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/18/2012	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	189
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DWR ID: DWR_MA0013_01_f_2013_189

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

180	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5619 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole behind flashboards against slide gate on LS slope. Limited inspection on WS slope due to dense vegetation. Need photo of cleared slope on WS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/18/2012	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	190
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DWR ID: DWR_MA0013_01_f_2013_190

181	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4543 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Hole behind flashboards against slide gate on LS slope. Need photo of cleared slope on WS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/23/2012 12:08:00 PM	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	191
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DWR ID: DWR_MA0013_01_f_2013_191

182	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5406 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Hole behind flashboards against slide gate on LS slope. Need photo of cleared slope on WS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/18/2012	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	192
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DWR ID: DWR_MA0013_01_f_2013_192

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

183	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15775 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole behind flashboards against slide gate on LS slope (Health and Safety Issue). Limited inspection on WS slope due to dense vegetation. Need photo of cleared slope on WS. 7/15/2013 WS slope has been cleared of vegetation and is in good condition. Hole is still present behind flash boards on LS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 7/16/2013 8:37:04 AM	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	193
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DWR ID: DWR_MA0013_01_f_2013_193

184	6.55	6.55	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5467 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Hole behind flashboards against slide gate on LS slope. Need photo of cleared slope on WS. FIELD_STRUCT_DESC: 1 of 10 items under Board Order 5200, 5200A, and 5200B: 24-inch corrugated metal drainpipe through the levee, 7.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete head wall on both ends (Board Order 5200B-1965). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.56). FS Date: 4/18/2012	39.508309 ° -121.715100 °	39.508309 ° -121.715100 °	194 Y
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DWR ID: DWR_MA0013_01_f_2013_194

185	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5407 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Upstream location latitude = 39.508298, longitude = -121.715103. Downstream location latitude = 39.50797, longitude = -121.71534; Wooden debris on upstream headwall. FIELD_STRUCT_DESC: 2 of 10 items under Board Order 5200, 5200A, and 5200B: 36-inch concrete reinforced drain pipe through levee along landward shoulder, 11.1 feet below crown. Crossing saddles landward slope, open on both ends. (Board Order 5200B-1967) FS Date: 4/18/2012 11:27:00 AM	39.508298 ° -121.715100 °	39.508298 ° -121.715100 °	195 Y
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DWR ID: DWR_MA0013_01_f_2013_195

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

186	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4021 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Downstream location latitude = 39.50797, longitude = -121.71534; Wooden debris on upstream headwall. FIELD_STRUCT_DESC: 2 of 10 items under Board Order 5200, 5200A, and 5200B: 36-inch concrete reinforced drain pipe through levee along landward shoulder, 11.1 feet below crown. Crossing saddles landward slope, open on both ends. (Board Order 5200B-1967) FS Date: 4/18/2012 11:27:00 AM	39.508298 ° -121.715103 °	39.508298 ° -121.715103 °	196
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DWR ID: DWR_MA0013_01_f_2013_196

187	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15776 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Clear wooden debris on upstream headwall. Upstream location latitude = 39.508298, longitude = -121.715103. Downstream location latitude = 39.50797, longitude = -121.71534; .7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 10 items under Board Order 5200, 5200A, and 5200B: 36-inch concrete reinforced drain pipe through levee along landward shoulder, 11.1 feet below crown. Crossing saddles landward slope, open on both ends. (Board Order 5200B-1967) FS Date: 7/16/2013 8:40:15 AM	39.508298 ° -121.715100 °	39.508298 ° -121.715100 °	197
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DWR ID: DWR_MA0013_01_f_2013_197

188	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5468 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Clear wooden debris on upstream headwall. Upstream location latitude = 39.508298, longitude = -121.715103. Downstream location latitude = 39.50797, longitude = -121.71534; . FIELD_STRUCT_DESC: 2 of 10 items under Board Order 5200, 5200A, and 5200B: 36-inch concrete reinforced drain pipe through levee along landward shoulder, 11.1 feet below crown. Crossing saddles landward slope, open on both ends. (Board Order 5200B-1967) FS Date: 4/18/2012 11:27:00 AM	39.508298 ° -121.715100 °	39.508298 ° -121.715100 °	198
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DWR ID: DWR_MA0013_01_f_2013_198

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_201

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
192	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4030 EP_NO: 5200B Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 2 of 3 FIELD_STRUCT_DESC: 5 of 10 items under Board Order 5200, 5200A, and 5200B: 72 inch diameter reinforced concrete pipeline (2 of 3) across the channel with approximately 3 feet of cover. (Board Order 5200B-1967) FS Date: 4/18/2012 11:40:00 AM	39.508180 ° -121.715140 °	39.508180 ° -121.715140 °	202 Y
DWR ID: DWR_MA0013_01_f_2013_202										
193	6.56	6.56	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4027 EP_NO: 5200B Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: 6 of 10 items under Board Order 5200, 5200A, and 5200B: 72 inch diameter reinforced concrete pipeline (3 of 3) across the channel with approximately 3 feet of cover. (Board Order 5200B-1967) FS Date: 4/18/2012 11:41:00 AM	39.508150 ° -121.715160 °	39.508150 ° -121.715160 °	203
DWR ID: DWR_MA0013_01_f_2013_203										
194	6.63	6.63	Earthen Levee	Encroachments	LS	M Ma	MA : Material	39.507337 ° -121.715693 °	39.507337 ° -121.715693 °	2 Y
DWR ID: DWR_MA0013_01_s_2012_2										
195	7.09	7.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4560 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM	39.501479 ° -121.719710 °	39.501479 ° -121.719710 °	204
DWR ID: DWR_MA0013_01_f_2013_204										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

196	7.09	7.09	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM</p>	39.501479 ° -121.719710 °	39.501479 ° -121.719710 °	205
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DWR ID: DWR_MA0013_01_f_2013_205

197	7.09	7.09	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5413 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM</p>	39.501479 ° -121.719710 °	39.501479 ° -121.719710 °	206 Y
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DWR ID: DWR_MA0013_01_f_2013_206

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

198	7.09	7.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15782 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. 7/15/2013 Slopes have been cleared of vegetation and are in good condition. There were no apparent signs of settling. LS screw gate is still damaged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 7/16/2013 8:48:49 AM	39.501479 ° -121.719710 °	39.501479 ° -121.719710 °	207
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DWR ID: DWR_MA0013_01_f_2013_207

199	7.09	7.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5469 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM	39.501479 ° -121.719710 °	39.501479 ° -121.719710 °	208
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DWR ID: DWR_MA0013_01_f_2013_208

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

200	7.09	7.09	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:15783 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. 7/15/2013 Slopes have been cleared of vegetation and are in good condition. There were no apparent signs of settling. LS screw gate is still damaged. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 7/16/2013 8:51:00 AM	39.501479 ° -121.719710 °	39.501479 ° -121.719710 °	209
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DWR ID: DWR_MA0013_01_f_2013_209

201	7.09	7.09	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4032 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM	39.501479 ° -121.719705 °	39.501479 ° -121.719705 °	210
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DWR ID: DWR_MA0013_01_f_2013_210

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

202	7.09	7.09	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5662 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LMA's inspection sheet of 2011 indicates settlement and visible corrosion. Damage/severe corrosion on screw gate where it bolts to headwall. No visible signs of settlement due to high vegetation cover. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared slopes for this crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM	39.501479 ° -121.719710 °	39.501479 ° -121.719710 °	211
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DWR ID: DWR_MA0013_01_f_2013_211

203	7.10	7.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2963 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Corrosion on screw gate where it bolts to headwall.No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:25 AM	39.501470 ° -121.719690 °	39.501470 ° -121.719690 °	212
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DWR ID: DWR_MA0013_01_f_2013_212

204	7.10	7.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3225 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Corrosion on screw gate where it bolts to headwall.No visible signs of settlement due to high vegetation cover. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.10). FS Date: 4/18/2012 11:44:00 AM	39.501479 ° -121.719705 °	39.501479 ° -121.719705 °	213
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DWR ID: DWR_MA0013_01_f_2013_213

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_215Page 69 of 130

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_217

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Sutter Maintenance Yard Maintenance Area 0013

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

211	7.33	7.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5414 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared slopes during next inspection. LS slide gate stem is bent and needs to be replaced. Confirmed flap gate on WS. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID#USACE_CESPK_M13D_2011_p_0244 for submerged WS gate. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.34). FS Date: 4/18/2012 11:47:00 AM	39.498845 ° -121.722440 °	39.498845 ° -121.722440 °	220
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DWR ID: DWR_MA0013_01_f_2013_220

212	7.34	7.34	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3379 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.34). FS Date: 4/18/2012 11:47:00 AM	39.498845 ° -121.722439 °	39.498845 ° -121.722439 °	221
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DWR ID: DWR_MA0013_01_f_2013_221

213	7.34	7.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3230 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.34). FS Date: 4/18/2012 11:47:00 AM	39.498853 ° -121.722445 °	39.498853 ° -121.722445 °	222
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DWR ID: DWR_MA0013_01_f_2013_222

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

214	7.34	7.34	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4020 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.34). FS Date: 4/18/2012 11:47:00 AM	39.498845 ° -121.722439 °	39.498845 ° -121.722439 °	223
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DWR ID: DWR_MA0013_01_f_2013_223

215	7.34	7.34	Supplemental	DWR UCIP Field Study	LS En	U	Inspector Comments: FS_ID:3820 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.34). FS Date: 4/18/2012 11:47:00 AM	39.498845 ° -121.722439 °	39.498845 ° -121.722439 °	224
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DWR ID: DWR_MA0013_01_f_2013_224

216	7.34	7.34	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:2965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 11.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.34). FS Date: 4/18/2012 11:47:49 AM	39.498860 ° -121.722410 °	39.498860 ° -121.722410 °	225
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DWR ID: DWR_MA0013_01_f_2013_225

217	7.57	7.57	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4034 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.58). FS Date: 4/18/2012 11:50:00 AM	39.496146 ° -121.725164 °	39.496146 ° -121.725164 °	226
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DWR ID: DWR_MA0013_01_f_2013_226

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

218	7.57	7.57	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5415 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.58). FS Date: 4/18/2012 11:50:00 AM	39.496146 ° -121.725160 °	39.496146 ° -121.725160 °	227
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DWR ID: DWR_MA0013_01_f_2013_227

219	7.57	7.57	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.58). FS Date: 4/18/2012 11:50:00 AM	39.496146 ° -121.725160 °	39.496146 ° -121.725160 °	228
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DWR ID: DWR_MA0013_01_f_2013_228

220	7.57	7.57	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5670 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Screw gate on the landward end. Concrete headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.58). FS Date: 4/18/2012 11:50:00 AM	39.496146 ° -121.725160 °	39.496146 ° -121.725160 °	229 Y
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DWR ID: DWR_MA0013_01_f_2013_229

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

221	8.12	8.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flashboards are in use on landside of levee. Sediment build up against flashboards. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.12). FS Date: 4/18/2012 12:00:00 PM	39.489061 ° -121.729430 °	39.489061 ° -121.729430 °	230
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DWR ID: DWR_MA0013_01_f_2013_230

222	8.12	8.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flashboards are in use on landside of levee. Sediment build up against flashboards. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.12). FS Date: 4/18/2012 12:00:00 PM	39.489061 ° -121.729430 °	39.489061 ° -121.729430 °	231
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DWR ID: DWR_MA0013_01_f_2013_231

223	8.12	8.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up against flashboards. Flashboards are in use on landside of levee. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.12). FS Date: 4/18/2012 12:00:00 PM	39.489061 ° -121.729430 °	39.489061 ° -121.729430 °	232 Y
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DWR ID: DWR_MA0013_01_f_2013_232

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

224	8.12	8.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up against flashboards. Flashboards are in use on landside of levee.7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.12). FS Date: 7/16/2013 9:11:09 AM	39.489061 ° -121.729430 °	39.489061 ° -121.729430 °	233
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DWR ID: DWR_MA0013_01_f_2013_233

225	8.12	8.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5419 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flashboards are in use on landside of levee. Sediment build up against flashboards. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.12). FS Date: 4/18/2012 12:00:00 PM	39.489061 ° -121.729430 °	39.489061 ° -121.729430 °	234
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DWR ID: DWR_MA0013_01_f_2013_234

226	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up on LS. Debris (broken panels) scattered near LS headwall. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes.7/15/2013 Slopes are cleared of vegetation and are in good condition. WS flapgate is blocked from opening fully by sediment. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 7/16/2013 9:16:48 AM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	235
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DWR ID: DWR_MA0013_01_f_2013_235

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

227	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4042 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Sediment build up on LS. Debris scattered near crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731585 °	39.485432 ° -121.731585 °	236
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DWR ID: DWR_MA0013_01_f_2013_236

228	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5420 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes. Sediment build up on LS. Debris (broken panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	237
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DWR ID: DWR_MA0013_01_f_2013_237

229	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4602 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes. Sediment build up on LS. Debris (broken panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	238
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DWR ID: DWR_MA0013_01_f_2013_238

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

230	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4603 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes. Sediment build up on LS. Debris (broken panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	239
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DWR ID: DWR_MA0013_01_f_2013_239

231	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up on LS. Debris (broken panels) scattered near LS headwall. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes. 7/15/2013 Slopes are cleared of vegetation and are in good condition. WS flapgate is blocked from opening fully by sediment. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 7/16/2013 9:13:53 AM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	240 Y
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DWR ID: DWR_MA0013_01_f_2013_240

232	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4604 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes. Sediment build up on LS. Debris (broken panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	241
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DWR ID: DWR_MA0013_01_f_2013_241

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

233	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5482 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment build up on LS. Debris (broken panels) scattered near LS headwall. Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	242
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DWR ID: DWR_MA0013_01_f_2013_242

234	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4620 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of cleared WS and LS slopes. Sediment build up on LS. Debris (broken panels) scattered near LS headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731590 °	39.485432 ° -121.731590 °	243
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DWR ID: DWR_MA0013_01_f_2013_243

235	8.40	8.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4041 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Sediment build up on LS. Debris scattered near crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40). FS Date: 4/18/2012 12:01:00 PM	39.485432 ° -121.731585 °	39.485432 ° -121.731585 °	244
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DWR ID: DWR_MA0013_01_f_2013_244

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

236	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2973 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The concrete slab does not exist.A distribution box is located on water side of levee.Land side headwall needs to be repaired/replaced. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:01 PM	39.478590 ° -121.736550 °	39.478590 ° -121.736550 °	245
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DWR ID: DWR_MA0013_01_f_2013_245

237	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3300 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The concrete slab does not exist.A distribution box is located on water side of levee.Land side headwall needs to be repaired/replaced. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	39.478590 ° -121.736550 °	39.478590 ° -121.736550 °	246
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DWR ID: DWR_MA0013_01_f_2013_246

238	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3394 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The concrete slab does not exist.A distribution box is located on water side of levee.Land side headwall needs to be repaired/replaced. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	247 Y
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DWR ID: DWR_MA0013_01_f_2013_247

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

239	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). The concrete slab feature does not exit in the center of the levee. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM</p>	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	248
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DWR ID: DWR_MA0013_01_f_2013_248

240	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4044 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). The concrete slab feature does not exit in the center of the levee. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM</p>	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	249
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DWR ID: DWR_MA0013_01_f_2013_249

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

241	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	250
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DWR ID: DWR_MA0013_01_f_2013_250

242	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4043 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall needs to be repaired/replaced. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). The concrete slab feature does not exit in the center of the levee. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	251
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DWR ID: DWR_MA0013_01_f_2013_251

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

243	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5805 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	252
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DWR ID: DWR_MA0013_01_f_2013_252

244	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. 7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 7/16/2013 9:19:37 AM	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	253
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DWR ID: DWR_MA0013_01_f_2013_253

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

245	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5421 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM</p>	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	254
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DWR ID: DWR_MA0013_01_f_2013_254

246	8.95	8.95	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5483 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM</p>	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	255
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DWR ID: DWR_MA0013_01_f_2013_255

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

247	8.95	8.95	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4881 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall is cracked, erosion behind headwall is also present. LS headwall needs to be repaired/replaced. Remove wooden debris from levee shoulder. FIELD_STRUCT_DESC: Richvale Irrigation Canal siphon crosses the channel. Five (5) by seven (7) foot concrete conduit through the levee, 18.4 feet below the crown. Distribution box and walkway are located on waterward side. Concrete headwall on the landward side. 28-foot reinforced concrete protective slab on top of the conduit in the center of the levee (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.95). FS Date: 4/18/2012 12:04:00 PM	39.478573 ° -121.736550 °	39.478573 ° -121.736550 °	256
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DWR ID: DWR_MA0013_01_f_2013_256

248	8.98	8.98	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:5671 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photo of cleared vegetation from slopes and WS headwall. Minor debris scattered on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate on the waterward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.98). FS Date: 4/18/2012 12:16:00 PM	39.478281 ° -121.736780 °	39.478281 ° -121.736780 °	257 Y
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DWR ID: DWR_MA0013_01_f_2013_257

249	8.98	8.98	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photo of cleared vegetation from slopes and WS headwall. Minor debris scattered on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate on the waterward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.98). FS Date: 4/18/2012 12:16:00 PM	39.478281 ° -121.736780 °	39.478281 ° -121.736780 °	258
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DWR ID: DWR_MA0013_01_f_2013_258

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

250	8.98	8.98	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4625 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photo of cleared vegetation from slopes and WS headwall. Minor debris scattered on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate on the waterward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.98). FS Date: 4/19/2012 12:16:00 PM	39.478281 ° -121.736780 °	39.478281 ° -121.736780 °	259
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DWR ID: DWR_MA0013_01_f_2013_259

251	8.98	8.98	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4047 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Minor debris scattered on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate on the waterward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.98). FS Date: 4/19/2012 12:16:00 PM	39.478281 ° -121.736777 °	39.478281 ° -121.736777 °	260
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DWR ID: DWR_MA0013_01_f_2013_260

252	8.98	8.98	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5424 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photo of cleared vegetation from slopes and WS headwall. Minor debris scattered on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate on the waterward end. Concrete "U" headwall on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.98). FS Date: 4/18/2012 12:16:00 PM	39.478281 ° -121.736780 °	39.478281 ° -121.736780 °	261
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DWR ID: DWR_MA0013_01_f_2013_261

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

253	9.01	9.01	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5672 EP_NO: 16994 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Not found in the field---confirmed that crossing was not built. This crossing will be removed from the list soon. FIELD_STRUCT_DESC: 10 inch diameter HDPE conduit containing fiber-optic cables across and under (bored) Cherokee Canal and its levees. Twelve 1.5 inch PVC inner ducts through casing with hand holes placed at each end for initial and future instation of fiber optic telecommunications cable. (Permit No. 16994-2000, Level 3 Comm) FS Date: 4/18/2012 3:56:00 PM	39.477810 ° -121.736980 °	39.477810 ° -121.736980 °	262
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DWR ID: DWR_MA0013_01_f_2013_262

254	9.09	9.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5673 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspections as Corp's Inpect ID# USACE_CESPK_M13D_2011_p_0278 for WS outlet sedimentation and sediment/grass at LS inlet. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM	39.476839 ° -121.737540 °	39.476839 ° -121.737540 °	263
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DWR ID: DWR_MA0013_01_f_2013_263

255	9.09	9.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4057 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. This crossing was listed in the USACE Periodic Inspections as Corp's Inpect ID# USACE_CESPK_M13D_2011_p_0278. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/19/2012 12:37:00 PM	39.476839 ° -121.737541 °	39.476839 ° -121.737541 °	264 Y
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DWR ID: DWR_MA0013_01_f_2013_264

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

256	9.09	9.09	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5428 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspections as Corp's Inpect ID# USACE_CESPK_M13D_2011_p_0278 for WS outlet sedimentation and sediment/grass at LS inlet. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM</p>	39.476839 ° -121.737540 °	39.476839 ° -121.737540 °	265
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DWR ID: DWR_MA0013_01_f_2013_265

257	9.09	9.09	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4633 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. This crossing was listed in the USACE Periodic Inspections as Corp's Inpect ID# USACE_CESPK_M13D_2011_p_0278. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM</p>	39.476839 ° -121.737540 °	39.476839 ° -121.737540 °	266
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DWR ID: DWR_MA0013_01_f_2013_266

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

258	9.09	9.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4637 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspections as Corp's Insect ID# USACE_CESPK_M13D_2011_p_0278 for WS outlet sedimentation and sediment/grass at LS inlet. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM	39.476839 ° -121.737540 °	39.476839 ° -121.737540 °	267
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DWR ID: DWR_MA0013_01_f_2013_267

259	9.09	9.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4760 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspections as Corp's Insect ID# USACE_CESPK_M13D_2011_p_0278 for WS outlet sedimentation and sediment/grass at LS inlet. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/18/2012 12:37:00 PM	39.476839 ° -121.737540 °	39.476839 ° -121.737540 °	268
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DWR ID: DWR_MA0013_01_f_2013_268

260	9.09	9.09	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4051 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 10.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). Flashboards should be present on the landward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.09). FS Date: 4/19/2012 12:37:00 PM	39.476839 ° -121.737541 °	39.476839 ° -121.737541 °	269
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DWR ID: DWR_MA0013_01_f_2013_269

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal				Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
261	9.84	9.87	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	39.467170 ° -121.743887 °	39.466860 ° -121.744108 °	5 Y
DWR ID: DWR_MA0013_01_s_2012_5										
262	9.89	9.89	Earthen Levee	Encroachments	LS	M Ma	MA : Material	39.466635 ° -121.744228 °	39.466635 ° -121.744228 °	10 Y
DWR ID: DWR_MA0013_01_f_2013_10										
263	11.20	13.47	Earthen Levee	Encroachments	WS	M En	DT : Ditch	39.449777 ° -121.755103 °	39.421255 ° -121.774893 °	17 Y
DWR ID: DWR_MA0013_01_s_2012_17										
264	11.75	11.76	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - Small erosion pocket likely caused by irrigation diversion structure. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: CHK_11-7_R]	39.442821 ° -121.759851 °	39.442738 ° -121.759908 °	11
DWR ID:										
265	12.36	12.36	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. WS outlet of pipe not found. Need photos of cleared WS and LS slopes. Determine if WS outlet daylights after WS slope is cleared. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 11.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.38). FS Date: 4/18/2012 12:25:00 PM	39.435169 ° -121.765290 °	39.435169 ° -121.765290 °	270
DWR ID: DWR_MA0013_01_f_2013_270										
266	12.36	12.36	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4061 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. WS outlet of pipe not found. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 11.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.38). FS Date: 4/18/2012 12:25:00 PM	39.435169 ° -121.765295 °	39.435169 ° -121.765295 °	271
DWR ID: DWR_MA0013_01_f_2013_271										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_274

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

270	12.36	12.36	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5674 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. WS outlet of pipe not found. Need photos of cleared WS and LS slopes. Determine if WS outlet daylights after WS slope is cleared. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 11.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.38). FS Date: 4/18/2012 12:25:00 PM	39.435169 ° -121.765290 °	39.435169 ° -121.765290 °	275
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DWR ID: DWR_MA0013_01_f_2013_275

271	12.37	12.37	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dry vegetation. Need photos of cleared LS slope. FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 9.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.38). FS Date: 4/18/2012 12:28:00 PM	39.435152 ° -121.765300 °	39.435152 ° -121.765300 °	276
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DWR ID: DWR_MA0013_01_f_2013_276

272	12.37	12.37	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5436 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dry vegetation. Need photos of cleared LS slope. FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 9.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.38). FS Date: 4/18/2012 12:28:00 PM	39.435152 ° -121.765300 °	39.435152 ° -121.765300 °	277
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DWR ID: DWR_MA0013_01_f_2013_277

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_280Page 93 of 130

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

276	12.38	12.38	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dry vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 9.8 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.38). FS Date: 4/18/2012 12:28:00 PM	39.435152 ° -121.765297 °	39.435152 ° -121.765297 °	281
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DWR ID: DWR_MA0013_01_f_2013_281

277	12.92	12.92	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damage to WS levee section behind concrete wing wall. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 10.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both slopes (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 12.94). FS Date: 4/18/2012 12:29:00 PM	39.428070 ° -121.770081 °	39.428070 ° -121.770081 °	282 Y
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DWR ID: DWR_MA0013_01_f_2013_282

278	13.50	13.50	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15846 EP_NO: 17030 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Attempt to locate this crossing during next inspection when tall grass is cleared from slopes-look for utility markers.7/15/2013 Same as last inspection. Unable to locate any markers. FIELD_STRUCT_DESC: Three 2-inch-diameter and Three 1.5-inch-diameter conduits containing fiber optic cables across and under (bored) Cherokee Canal and its levees. The permit indicates the conduits must be bored at least 5-feet below the bottom of the low flow of the channel. (Permit No. 17030-2000) FS Date: 7/16/2013 10:04:58 AM	39.420920 ° -121.775300 °	39.420920 ° -121.775300 °	283
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DWR ID: DWR_MA0013_01_f_2013_283

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_286Page 95 of 130

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

282	13.96	13.96	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15848 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS inlet and damaged slide gate. The tree needs to be removed and screw gate repaired. Limited inspection on LS due to fallen tree. 7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 7/16/2013 10:07:23 AM	39.416833 ° -121.781930 °	39.416833 ° -121.781930 °	287
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DWR ID: DWR_MA0013_01_f_2013_287

283	13.96	13.96	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS inlet and damaged slide gate. The tree needs to be removed and screw gate repaired. Limited inspection on LS due to fallen tree. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	39.416833 ° -121.781927 °	39.416833 ° -121.781927 °	288
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DWR ID: DWR_MA0013_01_f_2013_288

284	13.96	13.96	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5440 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS inlet and damaged slide gate. The tree needs to be removed and screw gate repaired. Limited inspection on LS due to fallen tree. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	39.416833 ° -121.781930 °	39.416833 ° -121.781930 °	289
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DWR ID: DWR_MA0013_01_f_2013_289

285	13.96	13.96	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5489 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at LS inlet and damaged slide gate. The tree needs to be removed and screw gate repaired. Limited inspection on LS due to fallen tree. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	39.416833 ° -121.781930 °	39.416833 ° -121.781930 °	290 Y
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DWR ID: DWR_MA0013_01_f_2013_290

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

286	13.96	13.96	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:2988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tree has fallen at land side inlet. The tree needs to be removed. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:04 PM	39.416810 ° -121.781940 °	39.416810 ° -121.781940 °	291
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DWR ID: DWR_MA0013_01_f_2013_291

287	13.96	13.96	Supplemental	DWR UCIP Field Study	WS U En	Inspector Comments: FS_ID:3141 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Tree has fallen at land side inlet and damaged screw gate. The tree needs to be removed and screw gate repaired. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	39.416810 ° -121.781940 °	39.416810 ° -121.781940 °	292
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DWR ID: DWR_MA0013_01_f_2013_292

288	13.96	13.96	Supplemental	DWR UCIP Field Study	WS U En	Inspector Comments: FS_ID:3436 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Tree has fallen at land side inlet and damaged screw gate. The tree needs to be removed and screw gate repaired. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 12.7 feet below the crown. Flap gate on the waterward side. Concrete "U" headwall on both ends (USACE-1960). FS Date: 4/18/2012 12:34:00 PM	39.416833 ° -121.781927 °	39.416833 ° -121.781927 °	293
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DWR ID: DWR_MA0013_01_f_2013_293

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_295Page 98 of 130

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_297

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

293	13.97	13.97	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5441 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functional crossing-buried slide gate on WS. Limited inspection on WS and LS slope/toe due to dense vegetation. Need photo of cleared WS & LS slopes or toe. This crossing is listed in the USACE periodic inspection report as Corp's Inspection ID# USACE_CESPK_M13D_2011_p_0352 for abandoned gate on WS slope. FIELD_STRUCT_DESC: Abandoned 12 inch steel drainpipe through the levee, 3 feet below the crown. Gate valve on the waterward slope. 1/4-inch steel plate welded on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.97). FS Date: 4/18/2012 12:36:00 PM</p>	39.416756 ° -121.782060 °	39.416756 ° -121.782060 °	298
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DWR ID: DWR_MA0013_01_f_2013_298

294	13.97	13.97	Supplemental	DWR UCIP Field Study	WS	U En	<p>Inspector Comments: FS_ID:5663 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Non-functional crossing-buried slide gate on WS. Limited inspection on WS and LS slope/toe due to dense vegetation. Need photo of cleared WS & LS slopes or toe. This crossing is listed in the USACE periodic inspection report as Corp's Inspection ID# USACE_CESPK_M13D_2011_p_0352 for abandoned gate on WS slope. FIELD_STRUCT_DESC: Abandoned 12 inch steel drainpipe through the levee, 3 feet below the crown. Gate valve on the waterward slope. 1/4-inch steel plate welded on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.97). FS Date: 4/18/2012 12:36:00 PM</p>	39.416756 ° -121.782060 °	39.416756 ° -121.782060 °	299
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DWR ID: DWR_MA0013_01_f_2013_299

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

297	13.97	13.97	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Buried slide gate on WS-non functional crossing. It appears that pipe is abandoned, only slide gate is visible on WS. Limited inspection on WS and LS slope/toe due to dense vegetation. Need photo of cleared WS & LS slopes or toe. This crossing is listed in the USACE periodic inspection report as Corp's Inspection ID# USACE_CESPK_M13D_2011_p_0352 for abandoned gate on WS slope. FIELD_STRUCT_DESC: Abandoned 12 inch steel drainpipe through the levee, 3 feet below the crown. Gate valve on the waterward slope. 1/4-inch steel plate welded on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.97). FS Date: 4/18/2012 12:36:00 PM	39.416756 ° -121.782060 °	39.416756 ° -121.782060 °	302
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DWR ID: DWR_MA0013_01_f_2013_302

298	14.79	14.79	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4067 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. The flap gate is lodged open. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.79). FS Date: 4/18/2012 12:43:00 PM	39.409481 ° -121.794011 °	39.409481 ° -121.794011 °	303
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DWR ID: DWR_MA0013_01_f_2013_303

299	14.79	14.79	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5442 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared WS & LS slopes. The flap gate is lodged open. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.79). FS Date: 4/18/2012 12:43:00 PM	39.409481 ° -121.794010 °	39.409481 ° -121.794010 °	304
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DWR ID: DWR_MA0013_01_f_2013_304

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

300	14.79	14.79	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15850 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared WS & LS slopes. The flap gate is lodged open. 7/15/2013 Slopes have been cleared of vegetation and are in good condition. WS flapgate is still lodged open. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.79). FS Date: 7/16/2013 10:12:32 AM	39.409481 ° -121.794010 °	39.409481 ° -121.794010 °	305
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DWR ID: DWR_MA0013_01_f_2013_305

301	14.79	14.79	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5677 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared WS & LS slopes. The flap gate is lodged open. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.79). FS Date: 4/18/2012 12:43:00 PM	39.409481 ° -121.794010 °	39.409481 ° -121.794010 °	306
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DWR ID: DWR_MA0013_01_f_2013_306

302	14.79	14.79	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared WS & LS slopes. The flap gate is lodged open. 7/15/2013 Slopes have been cleared of vegetation and are in good condition. WS flapgate is still lodged open. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.79). FS Date: 7/16/2013 10:14:14 AM	39.409481 ° -121.794010 °	39.409481 ° -121.794010 °	307 Y
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DWR ID: DWR_MA0013_01_f_2013_307

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
303	14.79	14.79	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4865 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared WS & LS slopes. The flap gate is lodged open. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 14.79). FS Date: 4/18/2012 12:43:00 PM	39.409481 ° -121.794010 °	39.409481 ° -121.794010 °	308
DWR ID: DWR_MA0013_01_f_2013_308										
304	15.06	15.06	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.407156 ° -121.797825 °	39.407156 ° -121.797825 °	339 Y
DWR ID: DWR_MA0013_01_f_2013_339										
305	15.12	15.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5443 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need overall photo of crossing and photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.12). FS Date: 4/18/2012 12:44:00 PM	39.406570 ° -121.798770 °	39.406570 ° -121.798770 °	309
DWR ID: DWR_MA0013_01_f_2013_309										
306	15.12	15.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.12). FS Date: 4/18/2012 12:44:00 PM	39.406570 ° -121.798768 °	39.406570 ° -121.798768 °	310
DWR ID: DWR_MA0013_01_f_2013_310										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

307	15.12	15.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4866 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need overall photo of crossing and photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.12). FS Date: 4/18/2012 12:44:00 PM	39.406570 ° -121.798770 °	39.406570 ° -121.798770 °	311
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DWR ID: DWR_MA0013_01_f_2013_311

308	15.12	15.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5678 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need overall photo of crossing and photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.12). FS Date: 4/18/2012 12:44:00 PM	39.406570 ° -121.798770 °	39.406570 ° -121.798770 °	312
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DWR ID: DWR_MA0013_01_f_2013_312

309	15.12	15.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15852 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need overall photo of crossing and photos of cleared WS & LS slopes. 7/15/2013 Slopes have been cleared of vegetation and are in good condition. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 12.4 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.12). FS Date: 7/16/2013 10:16:38 AM	39.406570 ° -121.798770 °	39.406570 ° -121.798770 °	313 Y
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DWR ID: DWR_MA0013_01_f_2013_313

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

310	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5679 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes/toe due to dense vegetation. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	39.399051 ° -121.810550 °	39.399051 ° -121.810550 °	314
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DWR ID: DWR_MA0013_01_f_2013_314

311	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4069 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes/toe due to dense vegetation. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	39.399051 ° -121.810555 °	39.399051 ° -121.810555 °	315
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DWR ID: DWR_MA0013_01_f_2013_315

312	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5444 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes/toe due to dense vegetation. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	39.399051 ° -121.810550 °	39.399051 ° -121.810550 °	316 Y
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DWR ID: DWR_MA0013_01_f_2013_316

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

313	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4867 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes/toe due to dense vegetation. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	39.399051 ° -121.810550 °	39.399051 ° -121.810550 °	317
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DWR ID: DWR_MA0013_01_f_2013_317

314	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3448 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrugated metal pipe through the levee at approximately 10 feet below the crown. (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.95). This crossing was altered and redesigned under a BOARD issued permit. FS Date: 4/18/2012 12:49:00 PM	39.399020 ° -121.810560 °	39.399020 ° -121.810560 °	318
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DWR ID: DWR_MA0013_01_f_2013_318

315	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3445 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Backfill behind headwalls to prevent piping. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	39.399051 ° -121.810555 °	39.399051 ° -121.810555 °	319 Y
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DWR ID: DWR_MA0013_01_f_2013_319

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

316	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:2997 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Backfill behind headwalls to prevent piping. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:01 PM	39.399040 ° -121.810510 °	39.399040 ° -121.810510 °	320
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DWR ID: DWR_MA0013_01_f_2013_320

317	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3007 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrugated metal pipe through the levee at approximately 10 feet below the crown. (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.95). This crossing was altered and redesigned under a BOARD issued permit. FS Date: 4/18/2012 12:49:00 PM	39.399020 ° -121.810560 °	39.399020 ° -121.810560 °	321
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DWR ID: DWR_MA0013_01_f_2013_321

318	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3122 EP_NO: 7521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Backfill behind headwalls to prevent piping. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee, 13.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. A 48 inch corrugated metal standpipe located approximately 12 feet from landside levee toe. (Permit No. 7521-1972) FS Date: 4/18/2012 12:46:00 PM	39.399040 ° -121.810510 °	39.399040 ° -121.810510 °	322
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DWR ID: DWR_MA0013_01_f_2013_322

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

319	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3110 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrugated metal pipe through the levee at approximately 10 feet below the crown. (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.95). This crossing was altered and redesigned under a BOARD issued permit. FS Date: 4/18/2012 12:49:00 PM	39.399020 ° -121.810560 °	39.399020 ° -121.810560 °	323
DWR ID: DWR_MA0013_01_f_2013_323										
320	15.95	15.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3120 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30 inch corrugated metal pipe through the levee at approximately 10 feet below the crown. (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.95). This crossing was altered and redesigned under a BOARD issued permit. FS Date: 4/18/2012 12:49:00 PM	39.399020 ° -121.810560 °	39.399020 ° -121.810560 °	324
DWR ID: DWR_MA0013_01_f_2013_324										
321	15.99	15.99	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5494 EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS inlet is not visible-underwater. Limited inspection on WS and LS slope/toe due to dense vegetation. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete piers on waterward side of levee. Revetment on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B-1979) FS Date: 4/18/2012 1:00:00 PM	39.398615 ° -121.811250 °	39.398615 ° -121.811250 °	325
DWR ID: DWR_MA0013_01_f_2013_325										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
322	15.99	15.99	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15857 EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS inlet is not visible-underwater. Limited inspection on WS and LS slope/toe due to dense vegetation. Need photos of cleared WS & LS slopes. 7/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete piers on waterward side of levee. Revetment on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B-1979) FS Date: 7/16/2013 10:30:01 AM	39.398615 ° -121.811250 °	39.398615 ° -121.811250 °	326
DWR ID: DWR_MA0013_01_f_2013_326										
323	15.99	15.99	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5446 EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope/toe due to dense vegation. LS inlet is not visible-underwater. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete piers on waterward side of levee. Revetment on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B-1979) FS Date: 4/18/2012 1:00:00 PM	39.398615 ° -121.811250 °	39.398615 ° -121.811250 °	327
DWR ID: DWR_MA0013_01_f_2013_327										
324	15.99	15.99	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4071 EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope/toe due to dense vegation. LS inlet is not visible-underwater. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete piers on waterward side of levee. Revetment on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B-1979) FS Date: 4/18/2012 1:00:00 PM	39.398615 ° -121.811246 °	39.398615 ° -121.811246 °	328
DWR ID: DWR_MA0013_01_f_2013_328										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

325	15.99	15.99	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4869 EP_NO: 11805B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope/toe due to dense vegetation. LS inlet is not visible-underwater. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 48-inch diameter reinforced concrete pipe with six concrete collars through the levee, 14.4 feet below the crown to center of conduit. Slide gate, head-wall and wood walkway on two concrete piers on waterward side of levee. Revetment on waterward slope. Irrigation ditch on the landward side. (Permit No. 11805B-1979) FS Date: 4/18/2012 1:00:00 PM	39.398615 ° -121.811250 °	39.398615 ° -121.811250 °	329 Y
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DWR ID: DWR_MA0013_01_f_2013_329

326	16.45	17.42	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.394523 ° -121.817630 °	39.385580 ° -121.831282 °	7 Y
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DWR ID: DWR_MA0013_01_s_2012_7

327	17.42	17.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15859 EP_NO: 3511 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to determine if cable is still in use, per permit records indicate communication cable was installed in 1961, 1968 USACE requested to abandon line, 1974 USACE communication is not abandoned. Cable crosses multiple levees. 7/15/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: U.S. Army communication cable through the levee, 3.0 feet below the crown. (Permit No. 3511-1961) FS Date: 7/16/2013 10:32:51 AM	39.385540 ° -121.831280 °	39.385540 ° -121.831280 °	330
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DWR ID: DWR_MA0013_01_f_2013_330

328	17.42	17.42	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5681 EP_NO: 3511 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to determine if cable is still in use, per permit records indicate communication cable was installed in 1961, 1968 USACE requested to abandon line, 1974 USACE communication is not abandoned. Cable crosses multiple levees. FIELD_STRUCT_DESC: U.S. Army communication cable through the levee, 3.0 feet below the crown. (Permit No. 3511-1961) FS Date: 4/18/2012 1:19:00 PM	39.385540 ° -121.831280 °	39.385540 ° -121.831280 °	331
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DWR ID: DWR_MA0013_01_f_2013_331

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

329	17.47	17.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15863 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation and steep slopes. Need photos of cleared WS & LS slopes.7/15/2013 Slopes have been sprayed and cleared of vegetation and are in good condition. WS flapgate is blocked from opening by sediment buildup. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.47). FS Date: 7/16/2013 10:37:10 AM	39.385172 ° -121.832060 °	39.385172 ° -121.832060 °	332 Y
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DWR ID: DWR_MA0013_01_f_2013_332

330	17.47	17.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation and steep slopes. Need photos of cleared WS & LS slopes.7/15/2013 Slopes have been sprayed and cleared of vegetation and are in good condition. WS flapgate is blocked from opening by sediment buildup. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.47). FS Date: 7/16/2013 10:39:31 AM	39.385172 ° -121.832060 °	39.385172 ° -121.832060 °	333
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DWR ID: DWR_MA0013_01_f_2013_333

331	17.47	17.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation and steep slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.47). FS Date: 4/18/2012 1:27:00 PM	39.385172 ° -121.832057 °	39.385172 ° -121.832057 °	334
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DWR ID: DWR_MA0013_01_f_2013_334

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_01_f_2013_337

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
335	17.47	17.47	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5682 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation and steep slopes. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee, 8.1 feet below the crown. Flap gate on the waterward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.47). FS Date: 4/18/2012 1:27:00 PM	39.385172 ° -121.832060 °	39.385172 ° -121.832060 °	338
DWR ID: DWR_MA0013_01_f_2013_338										
336	17.71	17.75	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.382943 ° -121.835447 °	39.382635 ° -121.836012 °	9
DWR ID: DWR_MA0013_01_s_2012_9										
337	17.72	18.20	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.382852 ° -121.835654 °	39.378481 ° -121.842394 °	15
DWR ID: DWR_MA0013_01_s_2012_15										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	8
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle erosion along the waterside slope.

rduffey_f_20130919_808.JPG



Levee Mile Report Line	9
Start Levee Mile	0.66
End Levee Mile	1.20
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe of the levee.

rduffey_s_20120430_604.jpg



Levee Mile Report Line	10
Start Levee Mile	0.76
End Levee Mile	0.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the equipment along the landside toe of the levee.

rduffey_s_20120312_328.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	11
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the prunings along the landside toe.

jhirabay_f_20131212_001.jpg



Levee Mile Report Line	30
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Corrugated metal riser with slide gate located on WS slope.

UCIP_2589.jpg



Levee Mile Report Line	45
Start Levee Mile	1.69
End Levee Mile	1.69
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Apr 2012 - LS view of crossing. Approximately 50 % of the inlet is blocked with sediment.

UCIP_66.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	58
Start Levee Mile	2.35
End Levee Mile	2.35
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Apr 2012 - Stand pipe present on WS near main channel.	
UCIP_68.jpg	



Levee Mile Report Line	85
Start Levee Mile	3.10
End Levee Mile	3.10
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view of crossing. LS floor is higher than pipe invert.	
UCIP_9693.jpg	



Levee Mile Report Line	86
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Apr 2012 - Gate valve on LS. Stem of valve is bent.	
UCIP_58.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	99
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Limit view of LS slope due to vegetation.

UCIP_947.jpg



Levee Mile Report Line	101
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Limit view of LS slope due to vegetation.

UCIP_2172.jpg



Levee Mile Report Line	121
Start Levee Mile	4.13
End Levee Mile	4.20
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the redwood trees along the landside slope.

rduffey_f_20131118_149.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	126
Start Levee Mile	4.42
End Levee Mile	4.42
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope and toe.

UCIP_8677.jpg



Levee Mile Report Line	128
Start Levee Mile	4.93
End Levee Mile	4.93
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of channel.

UCIP_1652.jpg



Levee Mile Report Line	134
Start Levee Mile	5.42
End Levee Mile	5.42
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of outlet cleared of vegetation.

UCIP_2183.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	139
Start Levee Mile	5.47
End Levee Mile	5.47
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of channel at crossing.

UCIP_1247.jpg



Levee Mile Report Line	144
Start Levee Mile	5.53
End Levee Mile	5.53
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of low crossing from levee crown.

UCIP_211.jpg



Levee Mile Report Line	153
Start Levee Mile	5.72
End Levee Mile	5.72
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope and toe.

UCIP_2615.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	162
Start Levee Mile	5.96
End Levee Mile	5.96
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope and toe.

UCIP_1674.jpg



Levee Mile Report Line	167
Start Levee Mile	6.33
End Levee Mile	6.33
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope and toe.

UCIP_967.jpg



Levee Mile Report Line	175
Start Levee Mile	6.51
End Levee Mile	7.09
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

rduffey_s_20120312_321.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	184
Start Levee Mile	6.55
End Levee Mile	6.55
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slide gate. Levee section missing behind boards.

UCIP_1826.jpg



Levee Mile Report Line	185
Start Levee Mile	6.56
End Levee Mile	6.56
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of crossing through ramp.

UCIP_1689.jpg



Levee Mile Report Line	192
Start Levee Mile	6.56
End Levee Mile	6.56
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Evidence of 72 inch lines are buried on WS slope.

UCIP_402.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	194
Start Levee Mile	6.63
End Levee Mile	6.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of a concrete block along the toe.

rduffey_s_20120312_320.jpg



Levee Mile Report Line	197
Start Levee Mile	7.09
End Levee Mile	7.09
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slope and toe.

UCIP_1691.jpg



Levee Mile Report Line	207
Start Levee Mile	7.33
End Levee Mile	7.33
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slope and toe.

UCIP_8764.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	220
Start Levee Mile	7.57
End Levee Mile	7.57
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS view of slope and toe.

UCIP_2194.jpg



Levee Mile Report Line	223
Start Levee Mile	8.12
End Levee Mile	8.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slope and toe (farmland).

UCIP_2126.jpg



Levee Mile Report Line	231
Start Levee Mile	8.40
End Levee Mile	8.40
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slope and toe (flooded farm)

UCIP_8776.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	238
Start Levee Mile	8.95
End Levee Mile	8.95
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Catwalk and screw gate located on WS.

UCIP_77.jpg



Levee Mile Report Line	248
Start Levee Mile	8.98
End Levee Mile	8.98
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope with 2 slide gates.

UCIP_2198.jpg



Levee Mile Report Line	255
Start Levee Mile	9.09
End Levee Mile	9.09
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS toe at crossing.

UCIP_431.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	261
Start Levee Mile	9.84
End Levee Mile	9.87
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of trees that need to be trimmed along the toe.

rduffey_s_20120312_323.jpg



Levee Mile Report Line	262
Start Levee Mile	9.89
End Levee Mile	9.89
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of a trailer & material along the L/S toe.

rduffey_s_20120312_325.jpg



Levee Mile Report Line	263
Start Levee Mile	11.20
End Levee Mile	13.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe of the levee.

rduffey_s_20120430_607.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	267
Start Levee Mile	12.36
End Levee Mile	12.36
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee crown at crossing looking downstream.

UCIP_8797.jpg



Levee Mile Report Line	277
Start Levee Mile	12.92
End Levee Mile	12.92
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

LS view of toe and adjacent farmland.

UCIP_1090.jpg



Levee Mile Report Line	285
Start Levee Mile	13.96
End Levee Mile	13.96
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of channel at crossing.

UCIP_1867.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	291
Start Levee Mile	13.97
End Levee Mile	13.97
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Buried slide gate on the WS slope.

UCIP_2348.jpg



Levee Mile Report Line	302
Start Levee Mile	14.79
End Levee Mile	14.79
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS slope cleared of vegetation

UCIP_8823.jpg



Levee Mile Report Line	304
Start Levee Mile	15.06
End Levee Mile	15.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the burned and dragged slopes.

rduffey_f_20131118_150.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	309
Start Levee Mile	15.12
End Levee Mile	15.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Slide gate located on LS toe. Dense vegetation present on LS slope.

UCIP_8825.jpg



Levee Mile Report Line	312
Start Levee Mile	15.95
End Levee Mile	15.95
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of standpipe located on LS toe.

UCIP_1764.jpg



Levee Mile Report Line	315
Start Levee Mile	15.95
End Levee Mile	15.95
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Headwall and standpipe on LS. Limited visibility of headwall due to dense vegetation.

UCIP_84.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cherokee Canal	Right	18.87	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	325
Start Levee Mile	15.99
End Levee Mile	15.99
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view of appurtenances (catwalk, slide gate, and headwall)

UCIP_1283.jpg



Levee Mile Report Line	326
Start Levee Mile	16.45
End Levee Mile	17.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the ag along the toe of the levee.

rduffey_s_20120430_605.jpg



Levee Mile Report Line	329
Start Levee Mile	17.47
End Levee Mile	17.47
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS slope cleared of vegetation

UCIP_8834.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0013

Waterway			Bank	Unit Miles
Unit No. 02 Cherokee Canal			Left	23.10
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/10/2013 - 05/10/2013		10/31/2013 - 10/31/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

1	0.04	0.04	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommendations: WS - remove pipe stockpile on WS levee slope. Remove soil stockpile near headwall.LS - Overgrown branches limit inspection, trim branches. 4-6 inch pipe is not part of original crossing remove pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701293 °	39.573816 ° -121.701293 °	9
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DWR ID: DWR_MA0013_02_f_2013_9

2	0.04	0.04	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Recommendations: WS - remove pipe stockpile on WS levee slope. Remove soil pile near headwall.LS - Overgrown branches limit inspection, trim branches. 4-6 inch pipe is not part of original crossing remove pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701293 °	39.573816 ° -121.701293 °	10 Y
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DWR ID: DWR_MA0013_02_f_2013_10

3	0.05	0.15	Earthen Levee	Encroachments	WS	M Ma	EQ : Equipment	39.573523 ° -121.701387 °	39.572455 ° -121.702370 °	1
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DWR ID: DWR_MA0013_02_s_2012_1

4	0.05	0.05	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5143 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-pipe stockpile on WS slope. LS- Overgrown branches limit inspection. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701290 °	39.573816 ° -121.701290 °	11
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DWR ID: DWR_MA0013_02_f_2013_11

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

5	0.05	0.05	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5142 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-remove pipe stockpile on WS levee slope. LS-Overgrown branches limit inspection, trim branches. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701290 °	39.573816 ° -121.701290 °	14
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DWR ID: DWR_MA0013_02_f_2013_14

6	0.05	0.05	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5532 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-pipe stockpile on WS slope. LS-Overgrown branches limit inspection. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701290 °	39.573816 ° -121.701290 °	15
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DWR ID: DWR_MA0013_02_f_2013_15

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
7	0.05	0.05	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4100 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS - remove pipe stockpile on WS levee slope. Remove soil pile near headwall. LS - Overgrown branches limit inspection, trim branches. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701293 °	39.573816 ° -121.701293 °	16

DWR ID: DWR_MA0013_02_f_2013_16

8	0.05	0.05	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5531 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-pipe stockpile on WS slope. LS- Overgrown branches limit inspection. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701290 °	39.573816 ° -121.701290 °	17
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DWR ID: DWR_MA0013_02_f_2013_17

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02 f 2013_23Page 4 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

11	0.05	0.05	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4-6 inch pipe is not part of original crossing--remove pipe. WS-pipe stockpile on WS slope. LS-Overgrown branches limit inspection. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701290 °	39.573816 ° -121.701290 °	24
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DWR ID: DWR_MA0013_02_f_2013_24

12	0.05	0.05	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5521 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS-pipe stockpile on WS slope. LS-Overgrown branches limit inspection. 4-6 inch pipe is not part of original crossing remove pipe. This crossing was listed in the USACE Periodic Inspection report listed as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0009 for WS flap gate not functioning properly as irrigation pipe passes inside crossing. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.04). FS Date: 4/19/2012	39.573816 ° -121.701290 °	39.573816 ° -121.701290 °	25
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DWR ID: DWR_MA0013_02_f_2013_25

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

13	0.57	0.57	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:3502 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of screw gate cover. The wooden cap on standpipe is broken.Limited evaluation of crossing due to dense vegetation on waterside and landside. Recommend taking new photos of slopes during fall inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM</p>	39.566479 ° -121.702426 °	39.566479 ° -121.702426 °	26
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DWR ID: DWR_MA0013_02_f_2013_26

14	0.57	0.57	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:2922 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of screw gate cover. The wooden cap on standpipe is broken. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:47 AM</p>	39.566500 ° -121.702420 °	39.566500 ° -121.702420 °	27
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DWR ID: DWR_MA0013_02_f_2013_27

15	0.57	0.57	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:3463 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of screw gate cover. The wooden cap on standpipe is broken. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM</p>	39.566479 ° -121.702426 °	39.566479 ° -121.702426 °	28
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DWR ID: DWR_MA0013_02_f_2013_28

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

16	0.57	0.57	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:3308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of screw gate cover. The wooden cap on standpipe is broken. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM</p>	39.566500 ° -121.702420 °	39.566500 ° -121.702420 °	29
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DWR ID: DWR_MA0013_02_f_2013_29

17	0.57	0.57	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:3522 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of screw gate cover. The wooden cap on standpipe is broken. Limited evaluation of crossing due to dense vegetation on waterside and landside. Recommend taking new photos of slopes during fall inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM</p>	39.566479 ° -121.702426 °	39.566479 ° -121.702426 °	30
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DWR ID: DWR_MA0013_02_f_2013_30

18	0.58	0.58	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5144 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of slide gate cover. The wooden cap on standpipe is broken. Limited evaluation of crossing due to dense vegetation on LS slope. Need photos of cleared slopes during fall inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM</p>	39.566479 ° -121.702430 °	39.566479 ° -121.702430 °	31
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DWR ID: DWR_MA0013_02_f_2013_31

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

21	0.58	0.58	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5590 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of slide gate cover. The wooden cap on standpipe is broken. Limited evaluation of crossing due to dense vegetation on LS slope. Need photos of cleared slopes during fall inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM</p>	39.566479 ° -121.702430 °	39.566479 ° -121.702430 °	34
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DWR ID: DWR_MA0013_02_f_2013_34

22	0.58	0.58	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:4101 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of screw gate cover. The wooden cap on standpipe is broken. Limited evaluation of crossing due to dense vegetation on LS slope. Recommend taking new photos of slopes during fall inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 4/19/2012 9:55:00 AM</p>	39.566479 ° -121.702426 °	39.566479 ° -121.702426 °	35
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DWR ID: DWR_MA0013_02_f_2013_35

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_37Page 10 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

25	0.58	0.58	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:15504 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to fix the top of slide gate cover. The wooden cap on standpipe is broken. Limited evaluation of crossing due to dense vegetation on LS slope. Need photos of cleared slopes during fall inspection. 7/10/2013 LS and WS slopes have been cleared of vegetation and are in good condition. LS pipe end is half full of sediment. Sediment inside of WS standpipe may hinder slide gate from fully closing. Standpipe cover is still broken. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.6 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. 36-inch concrete standpipe in the channel with two wooden piles to deflect debris. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.57). FS Date: 7/10/2013 1:47:03 PM</p>	39.566479 ° -121.702430 °	39.566479 ° -121.702430 °	38
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DWR ID: DWR_MA0013_02_f_2013_38

26	1.71	1.71	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5147 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection--dense vegetation on WS. Need photos of clear WS slope & toe. Need to determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issued for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM</p>	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	39 Y
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DWR ID: DWR_MA0013_02_f_2013_39

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

27	1.71	1.71	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope and toe-dense vegetation. Need photos of clear WS slope & toe. Need to determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM</p>	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	40
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DWR ID: DWR_MA0013_02_f_2013_40

28	1.71	1.71	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5145 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope and toe due to dense vegetation. Take photos of clear WS slope & toe during next inspection. Need to determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM</p>	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	41
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DWR ID: DWR_MA0013_02_f_2013_41

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

29	1.71	1.71	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:5148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection--dense vegetation on WS. Need photos of clear WS slope & toe. Determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issued for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM</p>	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	42
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DWR ID: DWR_MA0013_02_f_2013_42

30	1.71	1.71	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:5149 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issued for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM</p>	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	43
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DWR ID: DWR_MA0013_02_f_2013_43

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

31	1.71	1.71	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:5524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM</p>	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	44
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DWR ID: DWR_MA0013_02_f_2013_44

32	1.71	1.71	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:15525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. 7/10/2013 WS slope is cleared of vegetation and is in good condition. LS screw gate frame is twisted and is preventing the gate from opening. FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and intake box were removed. FS Date: 7/10/2013 2:09:45 PM</p>	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	45
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DWR ID: DWR_MA0013_02_f_2013_45

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

33	1.71	1.71	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15524 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. 7/10/2013 WS slope is cleared of vegetation and is in good condition. LS screw gate frame is twisted and is preventing the gate from opening. FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and intake box were removed. FS Date: 7/10/2013 2:05:46 PM	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	46
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DWR ID: DWR_MA0013_02_f_2013_46

34	1.71	1.71	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5688 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection dense vegetation on WS. Need photos of clear WS slope & toe. Ditch present in channel? This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issue for existing pump structure, intake box, ditch and power pole. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	47
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DWR ID: DWR_MA0013_02_f_2013_47

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_49

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

37	1.71	1.71	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4768 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope and toe due to dense vegetation. Take photos of clear WS slope and toe during next inspection. Need to determine if ditch is still present in channel. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13G_2011_p_0108 for WS flap gate filled with soil and LS gate not functioning because of overgrown vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Slide gate at the landward toe in headwall (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.70). In 1962, permit number 3953 was issued for existing pump structure, intake box, ditch and power pole to be installed in channel. In 1963, the pump and intake box were removed. FS Date: 4/19/2012 10:09:00 AM	39.551178 ° -121.705660 °	39.551178 ° -121.705660 °	50
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DWR ID: DWR_MA0013_02_f_2013_50

38	2.55	2.55	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on screw gate. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipes through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.54). FS Date: 4/23/2012 10:10:00 AM	39.539195 ° -121.706069 °	39.539195 ° -121.706069 °	51 Y
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DWR ID: DWR_MA0013_02_f_2013_51

39	2.55	2.55	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on screw gate. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipes through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.54). FS Date: 4/23/2012 10:10:00 AM	39.539195 ° -121.706069 °	39.539195 ° -121.706069 °	52
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DWR ID: DWR_MA0013_02_f_2013_52

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

43	2.55	2.55	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5151 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on slide gate. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipes through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.54). FS Date: 4/19/2012 10:10:00 AM	39.539195 ° -121.706070 °	39.539195 ° -121.706070 °	56
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DWR ID: DWR_MA0013_02_f_2013_56

44	2.55	2.55	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on slide gate. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipes through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.54). FS Date: 4/19/2012 10:10:00 AM	39.539195 ° -121.706070 °	39.539195 ° -121.706070 °	57
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DWR ID: DWR_MA0013_02_f_2013_57

45	2.55	2.55	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15527 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on slide gate. 7/10/2013 Sediment is built up against WS flap gate not allowing it to open. Handle for LS slide gate is still missing. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipes through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.54). FS Date: 7/10/2013 2:14:50 PM	39.539195 ° -121.706070 °	39.539195 ° -121.706070 °	58
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DWR ID: DWR_MA0013_02_f_2013_58

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

46	2.55	2.55	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4769 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Handle missing on screw gate. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipes through the levee, 9.7 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.54). FS Date: 4/19/2012 10:10:00 AM	39.539195 ° -121.706070 °	39.539195 ° -121.706070 °	59
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DWR ID: DWR_MA0013_02_f_2013_59

47	2.63	2.63	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3545 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment built up on LS (County ditch, Butte County to ??) FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	39.537824 ° -121.706190 °	39.537824 ° -121.706190 °	60
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DWR ID: DWR_MA0013_02_f_2013_60

48	2.63	2.63	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3546 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment built up on LS (County ditch, Butte County to ??) FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	39.537824 ° -121.706190 °	39.537824 ° -121.706190 °	61
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DWR ID: DWR_MA0013_02_f_2013_61

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

49	2.64	2.64	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built up on LS, remove sediment. Need photo of LS slide gate without sediment build up. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 for LS gate obstructed by vegetation and WS flap gate is not functioning (propped open). FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	39.537864 ° -121.706190 °	39.537864 ° -121.706190 °	62
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DWR ID: DWR_MA0013_02_f_2013_62

50	2.64	2.64	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4770 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built up on LS, remove sediment. Need photo of LS slide gate without sediment build up. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 for LS gate obstructed by vegetation and WS flap gate is not functioning as propped open. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	39.537864 ° -121.706190 °	39.537864 ° -121.706190 °	63
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DWR ID: DWR_MA0013_02_f_2013_63

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
51	2.64	2.64	Supplemental	DWR UCIP Field Study	WS	M	Inspector Comments: FS_ID:4144 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment built up on LS. Need photo of LS slide gate without sediment build up. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13D_2011_p_0204. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM	39.537864 ° -121.706186 °	39.537864 ° -121.706186 °	64

DWR ID: DWR_MA0013_02_f_2013_64

52	2.64	2.64	Supplemental	DWR UCIP Field Study	WS	M	Inspector Comments: FS_ID:15529 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built up on LS, remove sediment. Need photo of LS slide gate without sediment build up. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 for LS gate obstructed by vegetation and WS flap gate is not functioning (propped open). 7/10/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 7/10/2013 2:18:05 PM	39.537864 ° -121.706190 °	39.537864 ° -121.706190 °	65
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DWR ID: DWR_MA0013_02_f_2013_65

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

53	2.64	2.64	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:5593 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built up on LS, remove sediment. Need photo of LS slide gate without sediment build up. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 for LS gate obstructed by vegetation and WS flap gate is not functioning (propped open). FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM</p>	39.537864 ° -121.706190 °	39.537864 ° -121.706190 °	66
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DWR ID: DWR_MA0013_02_f_2013_66

54	2.64	2.64	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:5527 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor sediment built up on LS, remove sediment. Need photo of LS slide gate without sediment build up. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0148 for LS gate obstructed by vegetation and WS flap gate is not functioning (propped open). FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). Structure used to drain water from Nelson Shippe Road. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.63). FS Date: 4/19/2012 10:16:00 AM</p>	39.537864 ° -121.706190 °	39.537864 ° -121.706190 °	67
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DWR ID: DWR_MA0013_02_f_2013_67

55	2.64	2.64	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:3548 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrowing holes located above WS headwall. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM</p>	39.537671 ° -121.706207 °	39.537671 ° -121.706207 °	68 Y
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DWR ID: DWR_MA0013_02_f_2013_68

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

56	2.66	2.66	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:15532 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrowing holes located above WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. 7/10/2013 LS and WS slopes have been cleared of vegetation and are in good condition. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 7/10/2013 2:33:56 PM</p>	39.537671 ° -121.706210 °	39.537671 ° -121.706210 °	69
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DWR ID: DWR_MA0013_02_f_2013_69

57	2.66	2.66	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5153 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. Burrowing holes located above WS headwall. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM</p>	39.537671 ° -121.706210 °	39.537671 ° -121.706210 °	70
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DWR ID: DWR_MA0013_02_f_2013_70

58	2.66	2.66	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:15531 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrowing holes located above WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. 7/10/2013 LS and WS slopes have been cleared of vegetation and are in good condition. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 7/10/2013 2:21:44 PM</p>	39.537671 ° -121.706210 °	39.537671 ° -121.706210 °	71
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DWR ID: DWR_MA0013_02_f_2013_71

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

59	2.66	2.66	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4771 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photo of cleared WS & LS slopes. Burrowing holes located above WS headwall. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM	39.537671 ° -121.706210 °	39.537671 ° -121.706210 °	72
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DWR ID: DWR_MA0013_02_f_2013_72

60	2.66	2.66	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5594 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrowing holes located above WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM	39.537671 ° -121.706210 °	39.537671 ° -121.706210 °	73
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DWR ID: DWR_MA0013_02_f_2013_73

61	2.66	2.66	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5529 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. Burrowing holes located above WS headwall. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM	39.537671 ° -121.706210 °	39.537671 ° -121.706210 °	74
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DWR ID: DWR_MA0013_02_f_2013_74

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
62	2.66	2.66	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Burrowing holes located above WS headwall. Need photo of burrow activity. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.7 feet below the crown. Flap gate on the waterward end. Slide gate on landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.65). FS Date: 4/19/2012 10:17:00 AM	39.537671 ° -121.706207 °	39.537671 ° -121.706207 °	75
DWR ID: DWR_MA0013_02_f_2013_75										
63	3.61	3.61	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3553 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to the depth of sediment in Cherokee. The elevation in Cherokee is greater than the elevation of the adjacent ditch. Pipe could/should be abandoned properly. Farmer digs out LS when needed to drain field. Ran into farmer in the field and he uses pipe located at levee mile 3.682 to drain field. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	39.523829 ° -121.706293 °	39.523829 ° -121.706293 °	76 Y
DWR ID: DWR_MA0013_02_f_2013_76										
64	3.61	3.61	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3552 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to the depth of sediment in Cherokee. The elevation in Cherokee is greater than the elevation of the adjacent ditch. Pipe could/should be abandoned properly. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	39.523829 ° -121.706293 °	39.523829 ° -121.706293 °	77
DWR ID: DWR_MA0013_02_f_2013_77										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

65	3.61	3.61	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:3550 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to the depth of sediment in Cherokee. The elevation in Cherokee is greater than the elevation of the adjacent ditch. Pipe could/should be abandoned. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM</p>	39.523829 ° -121.706293 °	39.523829 ° -121.706293 °	78
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DWR ID: DWR_MA0013_02_f_2013_78

66	3.62	3.62	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5683 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning crossing. Farmer uses pipe located at LM 3.682 to drain field & not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water & dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM</p>	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	79
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DWR ID: DWR_MA0013_02_f_2013_79

67	3.62	3.62	Supplemental	DWR UCIP Field Study	WS	M En	<p>Inspector Comments: FS_ID:5193 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing non-functional-buried line. Farmer uses pipe located at levee mile 3.682 to drain field and not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water and dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM</p>	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	80
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DWR ID: DWR_MA0013_02_f_2013_80

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

68	3.62	3.62	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:15534 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning crossing. Farmer uses pipe located at LM 3.682 to drain field & not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water & dense vegetation. 7/10/2103 LS and WS slopes have been cleared of vegetation and are in good condition. WS flap gate is out of water but is blocked from opening by sediment build up. LS gate is fully submerged and not able to be inspected. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 7/10/2013 2:39:58 PM</p>	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	81
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DWR ID: DWR_MA0013_02_f_2013_81

69	3.62	3.62	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:5196 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning crossing. Farmer uses pipe located at LM 3.682 to drain field & not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water & dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM</p>	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	82
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DWR ID: DWR_MA0013_02_f_2013_82

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

72	3.62	3.62	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:5189 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing non-functional. The elevation in Cherokee is greater than the elevation of the adjacent ditch. Ran into farmer in the field and he uses pipe located at levee mile 3.682 to drain field and not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water and dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM</p>	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	85
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DWR ID: DWR_MA0013_02_f_2013_85

73	3.62	3.62	Supplemental	DWR UCIP Field Study	WS M En	<p>Inspector Comments: FS_ID:4148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to the depth of sediment in Cherokee. The elevation in Cherokee is greater than the elevation of the adjacent ditch. Pipe could/should be abandoned properly. Farmer digs out LS when needed to drain field. Ran into farmer in the field and he uses pipe located at levee mile 3.682 to drain field. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no visible WS gate only. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM</p>	39.523829 ° -121.706293 °	39.523829 ° -121.706293 °	86
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DWR ID: DWR_MA0013_02_f_2013_86

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

76	3.62	3.62	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5533 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning crossing. Farmer uses pipe located at LM 3.682 to drain field & not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water & dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	89
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DWR ID: DWR_MA0013_02_f_2013_89

77	3.62	3.62	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Non-functioning crossing. Farmer uses pipe located at LM 3.682 to drain field & not this one. Dense vegetation-need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water & dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	90
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DWR ID: DWR_MA0013_02_f_2013_90

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

78	3.62	3.62	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not used due to the depth of sediment in Cherokee. The elevation in Cherokee is greater than the elevation of the adjacent ditch. Pipe could/should be abandoned properly. Farmer digs out LS when needed to drain field. Ran into farmer in the field and he uses pipe located at levee mile 3.682 to drain field and not this one. WS & LS slopes covered by dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13G_2011_p_0172 for no access to WS gate due to high water and dense vegetation. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.61) FS Date: 4/19/2012 10:24:00 AM	39.523829 ° -121.706290 °	39.523829 ° -121.706290 °	91
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DWR ID: DWR_MA0013_02_f_2013_91

79	3.68	3.68	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3555 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation makes it difficult to evaluate the condition of the WS and LS slope. Recommend taking photos of clear slopes during fall inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.67). FS Date: 4/19/2012 10:29:00 AM	39.523556 ° -121.705341 °	39.523556 ° -121.705341 °	92 Y
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DWR ID: DWR_MA0013_02_f_2013_92

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

80	3.68	3.68	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15536 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation makes it difficult to evaluate the condition of the LS slope. Both gates underwater. Recommend taking photos of clear slopes and gates during fall inspection. 7/10/2013 LS slope has been cleared of vegetation and is in good condition. Both gates are still underwater and not able to be inspected. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.67). FS Date: 7/10/2013 2:48:31 PM	39.523556 ° -121.705340 °	39.523556 ° -121.705340 °	93
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DWR ID: DWR_MA0013_02_f_2013_93

81	3.68	3.68	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15537 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation makes it difficult to evaluate the condition of the LS slope. Both gates underwater. Recommend taking photos of clear slopes and gates during fall inspection. 7/10/2013 LS slope has been cleared of vegetation and is in good condition. Both gates are still underwater and not able to be inspected. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.67). FS Date: 7/10/2013 2:51:38 PM	39.523556 ° -121.705340 °	39.523556 ° -121.705340 °	94
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DWR ID: DWR_MA0013_02_f_2013_94

82	3.68	3.68	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5689 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation makes it difficult to evaluate the condition of the LS slope. Both gates underwater. Recommend taking photos of clear slopes and gates during fall inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.67). FS Date: 4/19/2012 10:29:00 AM	39.523556 ° -121.705340 °	39.523556 ° -121.705340 °	95
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DWR ID: DWR_MA0013_02_f_2013_95

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

83	3.68	3.68	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4149 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation makes it difficult to evaluate the condition of the LS slope. Both gates underwater. Recommend taking photos of clear slopes and gates during fall inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.67). FS Date: 4/19/2012 10:29:00 AM	39.523556 ° -121.705341 °	39.523556 ° -121.705341 °	96
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DWR ID: DWR_MA0013_02_f_2013_96

84	3.86	3.86	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3557 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need photos of WS and LS slope without vegetation. Clear wood debris from crossing. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	39.524350 ° -121.702181 °	39.524350 ° -121.702181 °	97
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DWR ID: DWR_MA0013_02_f_2013_97

85	3.86	3.86	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS gate missing. Limited inspection due to dense vegetation on WS and LS slopes. Need photos of WS and LS slope without vegetation. Description calls for slide gate on LS--slide gate is missing. Debris scattered near LS headwall. This crossing was listed in the USACE Periodic Inspection report as Corp's Inspect ID# USACE_CESPK_M13J_2011_p_0010 for WS gate wedged open and missing LS slide gate. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 8.8 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.85). FS Date: 4/19/2012 10:53:00 AM	39.524350 ° -121.702180 °	39.524350 ° -121.702180 °	98
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DWR ID: DWR_MA0013_02_f_2013_98

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_100

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02 f_2013_102

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_104

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_106Page 39 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

96	4.21	4.21	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5536 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Limited inspection on gates due to both gates submerged under water. Rodent damage on LS of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	109
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DWR ID: DWR_MA0013_02_f_2013_109

97	4.21	4.21	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on LS of levee in the vicinity of pipe. Limited inspection on WS slope due to dense vegetation. Limited inspection on gates due to both gates submerged under water. 7/10/2013 WS slope is cleared of vegetation and is in good condition. Both gates were fully submerged under water and unable to be inspected. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 7/10/2013 3:02:47 PM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	110
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DWR ID: DWR_MA0013_02_f_2013_110

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

98	4.21	4.21	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on LS of levee in the vicinity of pipe. Limited inspection on WS slope due to dense vegetation. Limited inspection on gates due to both gates submerged under water. 7/10/2013 WS slope is cleared of vegetation and is in good condition. Both gates were fully submerged under water and unable to be inspected. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 7/10/2013 3:00:28 PM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	111
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DWR ID: DWR_MA0013_02_f_2013_111

99	4.21	4.21	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4200 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Limited inspection on gates due to both gates submerged under water. Rodent damage on LS of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	112
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DWR ID: DWR_MA0013_02_f_2013_112

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

100	4.21	4.21	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Limited inspection on gates due to both gates submerged under water. Rodent damage on land side of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	113
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DWR ID: DWR_MA0013_02_f_2013_113

101	4.21	4.21	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:3558 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on land side of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	114 Y
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DWR ID: DWR_MA0013_02_f_2013_114

102	4.21	4.21	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5597 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent damage on LS of levee in the vicinity of pipe. Limited inspection on WS slope due to dense vegetation. Limited inspection on gates due to both gates submerged under water. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	115
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DWR ID: DWR_MA0013_02_f_2013_115

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
103	4.21	4.21	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Limited inspection on gates due to both gates submerged under water. Rodent damage on LS of levee in the vicinity of pipe. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.3 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE 1960). Concrete sump area with flash boards to drain farmers field is located on farmer's property near drain inlet. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (HLM 4.20). FS Date: 4/19/2012 10:55:00 AM	39.528210 ° -121.698410 °	39.528210 ° -121.698410 °	116
DWR ID: DWR_MA0013_02_f_2013_116										
104	4.58	5.00	Earthen Levee	Encroachments	WS	M Ma	GA : Garbage	39.526858 ° -121.689360 °	39.537468 ° -121.690882 °	911 Y
DWR ID: DWR_MA0013_02_s_2012_911										
105	4.70	4.70	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3560 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need photos of WS slope with clear vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.6 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.69) FS Date: 4/19/2012 11:00:00 AM	39.532510 ° -121.691340 °	39.532510 ° -121.691340 °	117 Y
DWR ID: DWR_MA0013_02_f_2013_117										
106	4.70	4.70	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4201 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need photos of WS slope with clear vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.6 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.69) FS Date: 4/19/2012 11:00:00 AM	39.532510 ° -121.691340 °	39.532510 ° -121.691340 °	118
DWR ID: DWR_MA0013_02_f_2013_118										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_121

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

110	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5538 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris located on WS. Remove pipe debris on WS and monitor the LS erosion near headwall. Rip-rap used to protect LS headwall from erosion. Was pipe exposed prior to dumping rock? Erosion on the LS could have exposed pipe. Dense shrub on the LS could restrict flow. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 4/24/2012 10:30:00 AM	39.526298 ° -121.688320 °	39.526298 ° -121.688320 °	122
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DWR ID: DWR_MA0013_02_f_2013_122

111	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15565 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris located on WS. Remove pipe debris on WS and monitor the LS erosion near headwall. Rip-rap used to protect LS headwall from erosion. Was pipe exposed prior to dumping rock? Erosion on the LS could have exposed pipe. Dense shrub on the LS could restrict flow. 7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 7/11/2013 6:44:21 AM	39.526298 ° -121.688320 °	39.526298 ° -121.688320 °	123
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DWR ID: DWR_MA0013_02_f_2013_123

112	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3562 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Evidence of erosion on LS behind headwall. Erosion could be caused by pipe outlet east of headwall. Dense shrub on the LS could restrict flow. Rusted pipe debris located on WS. Recommend coordinating with property owner to remove pipe debris on WS and monitor the LS erosion near headwall. Was pipe exposed prior to dumping rock? Erosion on the LS could have exposed pipe. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 4/24/2012 10:30:00 AM	39.526280 ° -121.688330 °	39.526280 ° -121.688330 °	124
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DWR ID: DWR_MA0013_02_f_2013_124

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

113	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Evidence of erosion on LS behind headwall. Erosion could be caused by pipe outlet east of headwall. Dense shrub on the LS could restrict flow. Rusted pipe debris located on WS. Recommend coordinating with property owner to remove pipe debris on WS and monitor the LS erosion near headwall. Was pipe exposed prior to dumping rock? Erosion on the LS could have exposed pipe. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 4/24/2012 10:30:00 AM	39.526298 ° -121.688318 °	39.526298 ° -121.688318 °	125 Y
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DWR ID: DWR_MA0013_02_f_2013_125

114	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5598 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris located on WS. Remove pipe debris on WS and monitor the LS erosion near headwall. Rip-rap used to protect LS headwall from erosion. Was pipe exposed prior to dumping rock? Erosion on the LS could have exposed pipe. Dense shrub on the LS could restrict flow. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 4/24/2012 10:30:00 AM	39.526298 ° -121.688320 °	39.526298 ° -121.688320 °	126
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DWR ID: DWR_MA0013_02_f_2013_126

115	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5199 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rusted pipe debris located on WS. Remove pipe debris on WS and monitor the LS erosion near headwall. Rip-rap used to protect LS headwall from erosion. Was pipe exposed prior to dumping rock? Erosion on the LS could have exposed pipe. Dense shrub on the LS could restrict flow. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 4/24/2012 10:30:00 AM	39.526298 ° -121.688320 °	39.526298 ° -121.688320 °	127
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DWR ID: DWR_MA0013_02_f_2013_127

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

116	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4202 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Evidence of erosion on LS behind headwall. Erosion could be caused by pipe outlet east of headwall. Dense shrub on the LS could restrict flow. Rusted pipe debris located on WS. Recommend coordinating with property owner to remove pipe debris on WS and monitor the LS erosion near headwall. Was pipe exposed prior to dumping rock? Erosion on the LS could have exposed pipe. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 4/24/2012 10:30:00 AM	39.526298 ° -121.688318 °	39.526298 ° -121.688318 °	128
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DWR ID: DWR_MA0013_02_f_2013_128

117	5.06	5.06	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3561 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gate lodged open. Recommend closing the gate prior to next Flood Season. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 8.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.06). FS Date: 4/24/2012 10:30:00 AM	39.526280 ° -121.688330 °	39.526280 ° -121.688330 °	129
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DWR ID: DWR_MA0013_02_f_2013_129

118	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present or visible for hazard line. Flag located on LS. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	130
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DWR ID: DWR_MA0013_02_f_2013_130

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

119	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:5811 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present or visible for hazard line (Health & Safety Issue) unknown depth. Owner is not compliant with Title 23. USA flag located on LS however not visible. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. If line active/left in place needs markers. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	131
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DWR ID: DWR_MA0013_02_f_2013_131

120	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:5812 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present or visible for hazard line (Health & Safety Issue) unknown depth. Owner is not compliant with Title 23. USA flag located on LS however not visible. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	132
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DWR ID: DWR_MA0013_02_f_2013_132

121	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5539 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on LS. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	133
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DWR ID: DWR_MA0013_02_f_2013_133

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

122	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3603 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on land side. No permanent markers available only USA markings. Active line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). test1 FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	134
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DWR ID: DWR_MA0013_02_f_2013_134

123	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4203 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on land side. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	135
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DWR ID: DWR_MA0013_02_f_2013_135

124	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3604 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Flag located on land side. No permanent markers available only USA markings. Active line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). test2 FS Date: 4/24/2012	39.526400 ° -121.688612 °	39.526400 ° -121.688612 °	136
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DWR ID: DWR_MA0013_02_f_2013_136

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

125	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5599 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers not visible for high hazard line. Flag located on LS. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	137
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DWR ID: DWR_MA0013_02_f_2013_137

126	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:16685 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present or visible for hazard line (Health & Safety Issue) unknown depth. Owner is not compliant with Title 23. USA flag located on LS however not visible. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. 7/9/2013 New carsonite marker installed with concrete access box on LS about 10 feet east of highway 99. Depth is still unknown. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 7/11/2013 6:54:00 AM	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	138 Y
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DWR ID: DWR_MA0013_02_f_2013_138

127	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:5716 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present or visible for hazard line (Health & Safety Issue) unknown depth. Owner is not compliant with Title 23. USA flag located on LS however not visible. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. This line needs markers per Title 23. Need to determine if line has been abandoned properly. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	139
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DWR ID: DWR_MA0013_02_f_2013_139

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_142

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

131	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:5684 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Markers not present or visible for hazard line (Health & Safety Issue) unknown depth. Flag located on LS. No permanent markers available only underground service alert (USA) flags. Active line? Will need to contact PG&E and find out the status of line through levee. This line needs markers per Title 23. Need to determine if line has been abandoned properly. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	143
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DWR ID: DWR_MA0013_02_f_2013_143

132	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on land side. No permanent markers available only USA markings. Active line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	144
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DWR ID: DWR_MA0013_02_f_2013_144

133	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Flag located on land side. No permanent markers available only USA markings. Active line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	145
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DWR ID: DWR_MA0013_02_f_2013_145

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

134	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3607 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on land side. No permanent markers available only USA markings. Active line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	146
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DWR ID: DWR_MA0013_02_f_2013_146

135	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3587 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on land side. No permanent markers available only USA markings. Active line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	147
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DWR ID: DWR_MA0013_02_f_2013_147

136	5.08	5.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3605 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Flag located on land side. No permanent markers available only USA markings. Active line? Will need to contact PG&E. FIELD_STRUCT_DESC: 6 inch steel gas line through the levee unknown depth. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.08). FS Date: 4/24/2012	39.526400 ° -121.688610 °	39.526400 ° -121.688610 °	148
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DWR ID: DWR_MA0013_02_f_2013_148

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

137	5.14	5.14	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4205 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged, needs to be replaced. Limited inspection on WS slope and toe due to dense vegetation. Need photos of clear WS slope and toe. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	39.526917 ° -121.689335 °	39.526917 ° -121.689335 °	149
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DWR ID: DWR_MA0013_02_f_2013_149

138	5.14	5.14	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged, needs to be replaced. Limited inspection on WS slope and toe due to dense vegetation. Need photos of clear WS slope and toe. This crossing was listed in the USACE Periodic Inspection report as Corp's inspection ID# USACE_CESPK_M13H_2011_p_0026 for broken gate on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	39.526917 ° -121.689335 °	39.526917 ° -121.689335 °	150
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DWR ID: DWR_MA0013_02_f_2013_150

139	5.14	5.14	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5541 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged, needs to be replaced. Limited inspection on WS slope and toe due to dense vegetation. Need photos of clear WS slope and toe. This crossing was listed in the USACE Periodic Inspection report as Corp's inspection ID# USACE_CESPK_M13H_2011_p_0026 for broken gate on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	39.526917 ° -121.689340 °	39.526917 ° -121.689340 °	151
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DWR ID: DWR_MA0013_02_f_2013_151

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

140	5.14	5.14	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate is damaged, needs to be replaced. Limited inspection on WS slope and toe due to dense vegetation. Need photos of clear WS slope and toe. This crossing was listed in the USACE Periodic Inspection report as Corp's inspection ID# USACE_CESPK_M13H_2011_p_0026 for broken gate on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	39.526917 ° -121.689340 °	39.526917 ° -121.689340 °	152
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DWR ID: DWR_MA0013_02_f_2013_152

141	5.14	5.14	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Screw gate is damaged, needs to be replaced FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	39.526917 ° -121.689335 °	39.526917 ° -121.689335 °	153
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DWR ID: DWR_MA0013_02_f_2013_153

142	5.14	5.14	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Screw gate is damaged, needs to be replaced FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	39.526917 ° -121.689335 °	39.526917 ° -121.689335 °	154
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DWR ID: DWR_MA0013_02_f_2013_154

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_157Page 57 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

146	5.14	5.14	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:3434 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Screw gate is damaged, needs to be replaced FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 5.7 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.13). FS Date: 4/24/2012 10:39:00 AM	39.526917 ° -121.689335 °	39.526917 ° -121.689335 °	158
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DWR ID: DWR_MA0013_02_f_2013_158

147	5.34	5.34	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4207 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of clear WS slope during next inspection. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID# USACE_CESPK_M13H_2011_p_0035 for overgrown vegetation on WS flap gate non functional. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 5.8 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.34). FS Date: 4/24/2012 10:43:00 AM	39.525958 ° -121.692728 °	39.525958 ° -121.692728 °	159 Y
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DWR ID: DWR_MA0013_02_f_2013_159

148	5.34	5.34	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5220 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of clear WS slope during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0035 non-functional crossing due to overgrown vegetation on WS flap gate. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 5.8 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.34). FS Date: 4/24/2012 10:43:00 AM	39.525958 ° -121.692730 °	39.525958 ° -121.692730 °	160
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DWR ID: DWR_MA0013_02_f_2013_160

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

149	5.34	5.34	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5691 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of clear WS slope during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0035 non-functional crossing due to overgrown vegetation on WS flap gate. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 5.8 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.34). FS Date: 4/24/2012 10:43:00 AM	39.525958 ° -121.692730 °	39.525958 ° -121.692730 °	161
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DWR ID: DWR_MA0013_02_f_2013_161

150	5.34	5.34	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15571 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of clear WS slope during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0035 non-functional crossing due to overgrown vegetation on WS flap gate.7/9/2013 Same as last inspection.7/9/2013 FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 5.8 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.34). FS Date: 7/11/2013 7:35:48 AM	39.525958 ° -121.692730 °	39.525958 ° -121.692730 °	162
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DWR ID: DWR_MA0013_02_f_2013_162

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

151	5.34	5.34	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of clear WS slope during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0035 for non-functional due to overgrown vegetation on WS flap gate. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 5.8 feet below the crown. Flap gate on the waterward side. Slide gate on the landward side. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.34). FS Date: 4/24/2012 10:43:00 AM	39.525958 ° -121.692730 °	39.525958 ° -121.692730 °	163
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DWR ID: DWR_MA0013_02_f_2013_163

152	5.40	5.40	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5221 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of clear slopes during next inspection. Metal plate bolted on pipe for closure on WS, open on LS. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 1.6 feet below the crown. Plate bolted on the waterward end. Open on the landward end. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.41). FS Date: 4/24/2012 10:46:00 AM	39.525361 ° -121.693630 °	39.525361 ° -121.693630 °	164 Y
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DWR ID: DWR_MA0013_02_f_2013_164

153	5.40	5.40	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15572 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of clear slopes during next inspection. Metal plate bolted on pipe for closure on WS, open on LS. 7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 1.6 feet below the crown. Plate bolted on the waterward end. Open on the landward end. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.41). FS Date: 7/11/2013 7:40:44 AM	39.525361 ° -121.693630 °	39.525361 ° -121.693630 °	165
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DWR ID: DWR_MA0013_02_f_2013_165

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

154	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of clear slopes during next inspection. Metal plate bolted on pipe for closure on WS, open on LS. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 1.6 feet below the crown. Plate bolted on the waterward end. Open on the landward end. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.41). FS Date: 4/24/2012 10:46:00 AM	39.525361 ° -121.693630 °	39.525361 ° -121.693630 °	166
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DWR ID: DWR_MA0013_02_f_2013_166

155	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4208 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Metal plate bolted on pipe for closure on WS, open on LS. Limited inspection on WS and LS slope due to dense vegetation. Need photos of clear slopes during next inspection. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 1.6 feet below the crown. Plate bolted on the waterward end. Open on the landward end. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.41). FS Date: 4/24/2012 10:46:00 AM	39.525361 ° -121.693626 °	39.525361 ° -121.693626 °	167
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DWR ID: DWR_MA0013_02_f_2013_167

156	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5692 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slope due to dense vegetation. Need photos of clear slopes during next inspection. Metal plate bolted on pipe for closure on WS, open on LS. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 1.6 feet below the crown. Plate bolted on the waterward end. Open on the landward end. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.41). FS Date: 4/24/2012 10:46:00 AM	39.525361 ° -121.693630 °	39.525361 ° -121.693630 °	168
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DWR ID: DWR_MA0013_02_f_2013_168

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

157	5.85	5.85	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3452 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on land side. Take new pictures of site once vegetation is cleared around features. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	39.523380 ° -121.701265 °	39.523380 ° -121.701265 °	169
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DWR ID: DWR_MA0013_02_f_2013_169

158	5.85	5.85	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3362 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on land side. Take new pictures of site once vegetation is cleared around features. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:50 AM	39.523380 ° -121.701265 °	39.523380 ° -121.701265 °	170
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DWR ID: DWR_MA0013_02_f_2013_170

159	5.85	5.85	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on land side. Take new pictures of site once vegetation is cleared around features. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	39.523381 ° -121.701265 °	39.523381 ° -121.701265 °	171 Y
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DWR ID: DWR_MA0013_02_f_2013_171

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

160	5.85	5.85	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4777 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on WS. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0017 for missing slide gate. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	39.523381 ° -121.701270 °	39.523381 ° -121.701270 °	172
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DWR ID: DWR_MA0013_02_f_2013_172

161	5.85	5.85	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4210 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on WS. Limited inspection on WS and LS slopes due to dense vegetation. Take new pictures of site once vegetation is cleared around features. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID# USACE_CESPK_M13H_2011_p_0017 for missing slide gate. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	39.523381 ° -121.701265 °	39.523381 ° -121.701265 °	173
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DWR ID: DWR_MA0013_02_f_2013_173

162	5.85	5.85	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4209 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on LS. Limited inspection on WS and LS slopes due to dense vegetation. Take new pictures of site once vegetation is cleared around features. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	39.523381 ° -121.701265 °	39.523381 ° -121.701265 °	174
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DWR ID: DWR_MA0013_02_f_2013_174

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

163	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15573 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on WS. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0017 for missing slide gate.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 7/11/2013 7:42:02 AM	39.523381 ° -121.701270 °	39.523381 ° -121.701270 °	175
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DWR ID: DWR_MA0013_02_f_2013_175

164	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on WS. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0017 for missing slide gate. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	39.523381 ° -121.701270 °	39.523381 ° -121.701270 °	176
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DWR ID: DWR_MA0013_02_f_2013_176

165	5.85	5.85	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:5601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing on WS. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0017 for missing slide gate. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 9.2 feet below the crown. Flap gate on the waterward end. Slide gate on the landward end. Concrete "U" headwalls on both ends (USACE-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.85). FS Date: 4/24/2012 10:51:00 AM	39.523381 ° -121.701270 °	39.523381 ° -121.701270 °	177
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DWR ID: DWR_MA0013_02_f_2013_177

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

166	5.86	5.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4211 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Take new pictures once vegetation has been cleared from slopes. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981) FS Date: 4/24/2012 10:59:00 AM	39.523370 ° -121.701330 °	39.523370 ° -121.701330 °	178
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DWR ID: DWR_MA0013_02_f_2013_178

167	5.86	5.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:3602 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Take new pictures once vegetation has been cleared from the structures. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981) FS Date: 4/24/2012 10:59:00 AM	39.523370 ° -121.701330 °	39.523370 ° -121.701330 °	179
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DWR ID: DWR_MA0013_02_f_2013_179

168	5.86	5.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5693 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0058 for high water unable to see crossing. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981) FS Date: 4/24/2012 10:59:00 AM	39.523370 ° -121.701330 °	39.523370 ° -121.701330 °	180
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DWR ID: DWR_MA0013_02_f_2013_180

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

169	5.86	5.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15574 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0058 for high water unable to see crossing. 7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981) FS Date: 7/11/2013 7:43:14 AM	39.523370 ° -121.701330 °	39.523370 ° -121.701330 °	181
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DWR ID: DWR_MA0013_02_f_2013_181

170	5.86	5.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4227 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Take new pictures once vegetation has been cleared from slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0058 for WS not visible. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981) FS Date: 4/24/2012 10:59:00 AM	39.523370 ° -121.701330 °	39.523370 ° -121.701330 °	182
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DWR ID: DWR_MA0013_02_f_2013_182

171	5.86	5.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4778 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13H_2011_p_0058 for high water unable to see crossing. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981) FS Date: 4/24/2012 10:59:00 AM	39.523370 ° -121.701330 °	39.523370 ° -121.701330 °	183
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DWR ID: DWR_MA0013_02_f_2013_183

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

172	5.86	5.86	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4212 EP_NO: 13170 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Take new pictures once vegetation has been cleared from slopes. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee approximately 7 feet below crown. Flap gate is located on the waterward side. (13170-1981) FS Date: 4/24/2012 10:59:00 AM	39.523370 ° -121.701330 °	39.523370 ° -121.701330 °	184
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DWR ID: DWR_MA0013_02_f_2013_184

173	6.12	6.12	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5694 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photos of WS slope when cleared. Unable to find WS daylight point. FIELD_STRUCT_DESC: 1 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:06:00 AM	39.522513 ° -121.706010 °	39.522513 ° -121.706010 °	185
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DWR ID: DWR_MA0013_02_f_2013_185

174	6.12	6.12	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4779 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photos of WS slope when cleared. Unable to find WS daylight point. FIELD_STRUCT_DESC: 1 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:06:00 AM	39.522513 ° -121.706010 °	39.522513 ° -121.706010 °	186
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DWR ID: DWR_MA0013_02_f_2013_186

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

175	6.12	6.12	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15575 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photos of WS slope when cleared. Unable to find WS daylight point.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 7/11/2013 7:44:35 AM	39.522513 ° -121.706010 °	39.522513 ° -121.706010 °	187
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DWR ID: DWR_MA0013_02_f_2013_187

176	6.12	6.12	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:4213 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photos of WS slope when cleared. FIELD_STRUCT_DESC: 1 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:06:00 AM	39.522513 ° -121.706006 °	39.522513 ° -121.706006 °	188
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DWR ID: DWR_MA0013_02_f_2013_188

177	6.12	6.12	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15576 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. Unable to find WS outlet.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 7/11/2013 7:45:54 AM	39.522488 ° -121.706030 °	39.522488 ° -121.706030 °	189
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DWR ID: DWR_MA0013_02_f_2013_189

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

178	6.12	6.12	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4780 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. Unable to find WS outlet. FIELD_STRUCT_DESC: 2 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:11:00 AM	39.522488 ° -121.706030 °	39.522488 ° -121.706030 °	190
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DWR ID: DWR_MA0013_02_f_2013_190

179	6.12	6.12	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4214 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. FIELD_STRUCT_DESC: 2 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:11:00 AM	39.522488 ° -121.706025 °	39.522488 ° -121.706025 °	191
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DWR ID: DWR_MA0013_02_f_2013_191

180	6.12	6.12	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5695 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. Unable to find WS outlet. FIELD_STRUCT_DESC: 2 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:11:00 AM	39.522488 ° -121.706030 °	39.522488 ° -121.706030 °	192
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DWR ID: DWR_MA0013_02_f_2013_192

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

181	6.13	6.13	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4781 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. Unable to find WS outlet. FIELD_STRUCT_DESC: 3 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:16:00 AM	39.522457 ° -121.706030 °	39.522457 ° -121.706030 °	193
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DWR ID: DWR_MA0013_02_f_2013_193

182	6.13	6.13	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:5696 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. Unable to find WS outlet. FIELD_STRUCT_DESC: 3 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:16:00 AM	39.522457 ° -121.706030 °	39.522457 ° -121.706030 °	194
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DWR ID: DWR_MA0013_02_f_2013_194

183	6.13	6.13	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:4215 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. FIELD_STRUCT_DESC: 3 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 4/24/2012 11:16:00 AM	39.522457 ° -121.706033 °	39.522457 ° -121.706033 °	195
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DWR ID: DWR_MA0013_02_f_2013_195

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

184	6.13	6.13	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS slope due to dense vegetation. Need photo of WS slope when cleared. Unable to find WS outlet.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: Western Canal siphon crosses the channel. 8-foot by 10-foot concrete conduits through the levee. Top of concrete conduit 4 feet below the crown. Catwalk and guardrails around headwall (USACE-1960). Debris catchment line located at the wings of the headwall. All conduits are open. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.13). FS Date: 7/11/2013 7:48:01 AM	39.522457 ° -121.706030 °	39.522457 ° -121.706030 °	196
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DWR ID: DWR_MA0013_02_f_2013_196

185	6.23	7.62	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.520843 ° -121.706345 °	39.502958 ° -121.716953 °	12 Y
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DWR ID: DWR_MA0013_02_s_2012_12

186	6.75	6.75	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.514048 ° -121.710036 °	39.514048 ° -121.710036 °	410 Y
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DWR ID: DWR_MA0013_02_f_2013_410

187	7.24	7.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15579 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of WS headwall. If possible take photo of WS headwall.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 8 of 10 items listed under Board Order 5200, 5200A, 5200B: 6-foot by 6-foot reinforced double box culvert (Box 1 of 2) through the levee, 17.1 feet below the crown. Concrete headwalls on both ends. Slide gate on the waterward side. (Permit No. 5200B-1967) FS Date: 7/11/2013 7:52:27 AM	39.507705 ° -121.713810 °	39.507705 ° -121.713810 °	197
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DWR ID: DWR_MA0013_02_f_2013_197

188	7.24	7.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5697 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of WS headwall. If possible take photo of WS headwall. FIELD_STRUCT_DESC: 8 of 10 items listed under Board Order 5200, 5200A, 5200B: 6-foot by 6-foot reinforced double box culvert (Box 1 of 2) through the levee, 17.1 feet below the crown. Concrete headwalls on both ends. Slide gate on the waterward side. (Permit No. 5200B-1967) FS Date: 4/24/2012 11:23:00 AM	39.507705 ° -121.713810 °	39.507705 ° -121.713810 °	198
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DWR ID: DWR_MA0013_02_f_2013_198

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

189	7.24	7.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4800 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of WS headwall. If possible take photo of WS headwall. FIELD_STRUCT_DESC: 8 of 10 items listed under Board Order 5200, 5200A, 5200B: 6-foot by 6-foot reinforced double box culvert (Box 1 of 2) through the levee, 17.1 feet below the crown. Concrete headwalls on both ends. Slide gate on the waterward side. (Permit No. 5200B-1967) FS Date: 4/24/2012 11:23:00 AM	39.507705 ° -121.713810 °	39.507705 ° -121.713810 °	199 Y
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DWR ID: DWR_MA0013_02_f_2013_199

190	7.25	7.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5698 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of WS headwall. If possible take photo of WS headwall. FIELD_STRUCT_DESC: 9 of 10 items listed under Board Order 5200, 5200A, 5200B: 6-foot by 6-foot reinforced double box culvert (box 2 of 2) through the levee, 17.1 feet below the crown. Concrete headwalls on both ends. Slide gate on the waterward side. (Permit No. 5200B-1967) FS Date: 4/24/2012 11:25:00 AM	39.507683 ° -121.713820 °	39.507683 ° -121.713820 °	200
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DWR ID: DWR_MA0013_02_f_2013_200

191	7.25	7.25	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15583 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: No photo available of WS headwall. If possible take photo of WS headwall. 7/9/2013 Water is seeping from the concrete lined ditch on the north side of levee ramp and exiting on the south side of ramp about 4 feet above water level on south side ditch. Minor erosion has occurred to ramp. Talked to levee inspection about problem and he was going to investigate and contact irrigation district about problem. FIELD_STRUCT_DESC: 9 of 10 items listed under Board Order 5200, 5200A, 5200B: 6-foot by 6-foot reinforced double box culvert (box 2 of 2) through the levee, 17.1 feet below the crown. Concrete headwalls on both ends. Slide gate on the waterward side. (Permit No. 5200B-1967) FS Date: 7/11/2013 7:59:40 AM	39.507683 ° -121.713820 °	39.507683 ° -121.713820 °	201
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DWR ID: DWR_MA0013_02_f_2013_201

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

192	7.25	7.25	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15580 EP_NO: 5200B Repair Type: Urgent Crossing Status: Found UCIP Comments: No photo available of WS headwall. If possible take photo of WS headwall. 7/9/2013 Water is seeping from the concrete lined ditch on the north side of levee ramp and exiting on the south side of ramp about 4 feet above water level on south side ditch. Minor erosion has occurred to ramp. Talked to levee inspection about problem and he was going to investigate and contact irrigation district about problem. FIELD_STRUCT_DESC: 9 of 10 items listed under Board Order 5200, 5200A, 5200B: 6-foot by 6-foot reinforced double box culvert (box 2 of 2) through the levee, 17.1 feet below the crown. Concrete headwalls on both ends. Slide gate on the waterward side. (Permit No. 5200B-1967) FS Date: 7/11/2013 7:54:42 AM	39.507683 ° -121.713820 °	39.507683 ° -121.713820 °	202
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DWR ID: DWR_MA0013_02_f_2013_202

193	7.25	7.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4801 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No photo available of WS headwall. If possible take photo of WS headwall. FIELD_STRUCT_DESC: 9 of 10 items listed under Board Order 5200, 5200A, 5200B: 6-foot by 6-foot reinforced double box culvert (box 2 of 2) through the levee, 17.1 feet below the crown. Concrete headwalls on both ends. Slide gate on the waterward side. (Permit No. 5200B-1967) FS Date: 4/24/2012 11:25:00 AM	39.507683 ° -121.713820 °	39.507683 ° -121.713820 °	203
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DWR ID: DWR_MA0013_02_f_2013_203

194	7.25	7.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4220 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Not found - Need to verify if there any signs of structure during next inspection when slopes are cleared. If not will need to coordinate with applicant regarding the fate of this structure. FIELD_STRUCT_DESC: 10 of 10 items listed under Board Order 5200, 5200A, 5200B: 36 inch corrugated metal spill pipe through the levee embankment, unknown depth. (Board Order No. 5200B-1967) FS Date: 4/24/2012 11:27:00 AM	39.507570 ° -121.713870 °	39.507570 ° -121.713870 °	204
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DWR ID: DWR_MA0013_02_f_2013_204

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_207Page 74 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

198	7.25	7.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4802 EP_NO: 5200B Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Not found - Need to verify if there are any signs of the structure during next inspection when slopes are cleared. If not will need to coordinate with applicant regarding the fate of this structure. FIELD_STRUCT_DESC: 10 of 10 items listed under Board Order 5200, 5200A, 5200B: 36 inch corrugated metal spill pipe through the levee embankment, unknown depth. (Board Order No. 5200B-1967) FS Date: 4/24/2012 11:27:00 AM	39.507570 ° -121.713870 °	39.507570 ° -121.713870 °	208
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DWR ID: DWR_MA0013_02_f_2013_208

199	8.38	8.38	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5700 EP_NO: 14704 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to verify whether this crossing includes both communication cable lines under permit 14704 (LM 8.38) and 10589 (see LM 8.39). FIELD_STRUCT_DESC: Fiber optic cable through levee at approximately 3.5 feet. The cable section across the channel is attached to the Cherokee Canal Dridge. (Permit No. 14704-1987) FS Date: 4/24/2012 11:28:00 AM	39.493850 ° -121.724780 °	39.493850 ° -121.724780 °	209 Y
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DWR ID: DWR_MA0013_02_f_2013_209

200	9.68	9.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of WS and LS slopes during next inspection with cleared slopes. FIELD_STRUCT_DESC: 30 inch corrugated metal pipe with flapgate on the waterward side located approximately 11.5 feet below crown. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.68). FS Date: 4/24/2012 11:44:00 AM	39.477335 ° -121.735340 °	39.477335 ° -121.735340 °	210 Y
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DWR ID: DWR_MA0013_02_f_2013_210

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

201	9.68	9.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4229 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of WS and LS slopes during next inspection with cleared slopes. FIELD_STRUCT_DESC: 30 inch corrugated metal pipe with flapgate on the waterward side located approximately 11.5 feet below crown. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.68). FS Date: 4/24/2012 11:44:00 AM	39.477335 ° -121.735342 °	39.477335 ° -121.735342 °	211
DWR ID: DWR_MA0013_02_f_2013_211										

202	9.68	9.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15592 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of WS and LS slopes during next inspection with cleared slopes. 7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: 30 inch corrugated metal pipe with flapgate on the waterward side located approximately 11.5 feet below crown. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 9.68). FS Date: 7/11/2013 8:13:09 AM	39.477335 ° -121.735340 °	39.477335 ° -121.735340 °	212
DWR ID: DWR_MA0013_02_f_2013_212										

203	9.76	9.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5341 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find permit for this encroachment. Will need to coordinate with LMA Superintendent and DWR-Inspector, photo includes utility contact information. FIELD_STRUCT_DESC: Buried fiber optic line through the levee at depth unknown. Owner of line is Qwest Communications 1-800 At Fiber Sign ID Number 16601. (Qwest Communication) FS Date: 4/24/2012	39.476260 ° -121.736230 °	39.476260 ° -121.736230 °	213
DWR ID: DWR_MA0013_02_f_2013_213										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

204	9.76	9.76	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5724 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is an authorized or unauthorize encroachment. Unable to find permit number for this encroachment. Will need to coordinate with LMA Superintendent and DWR-Inspector, photo includes utility contact information. FIELD_STRUCT_DESC: Buried fiber optic line through the levee at depth unknown. Owner of line is Qwest Communications 1-800 At Fiber Sign ID Number 16601. (Qwest Communication) FS Date: 4/24/2012	39.476260 ° -121.736230 °	39.476260 ° -121.736230 °	214
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DWR ID: DWR_MA0013_02_f_2013_214

205	9.76	9.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5702 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is an authorized or unauthorize encroachment. Unable to find permit number for this encroachment. Will need to coordinate with LMA Superintendent and DWR-Inspector, photo includes utility contact information. FIELD_STRUCT_DESC: Buried fiber optic line through the levee at depth unknown. Owner of line is Qwest Communications 1-800 At Fiber Sign ID Number 16601. (Qwest Communication) FS Date: 4/24/2012	39.476260 ° -121.736230 °	39.476260 ° -121.736230 °	215
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DWR ID: DWR_MA0013_02_f_2013_215

206	9.76	9.76	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15594 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is an authorized or unauthorized encroachment. Unable to find permit number for this encroachment. Will need to coordinate with LMA Superintendent and DWR-Inspector, photo includes utility contact information.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: Buried fiber optic line through the levee at depth unknown. Owner of line is Qwest Communications 1-800 At Fiber Sign ID Number 16601. (Qwest Communication) FS Date: 7/11/2013 8:15:43 AM	39.476260 ° -121.736230 °	39.476260 ° -121.736230 °	216
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DWR ID: DWR_MA0013_02_f_2013_216

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

207	9.76	9.76	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5340 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit information found. FIELD_STRUCT_DESC: Buried fiber optic line through the levee at depth unknown. Owner of line is Qwest Communications 1-800 At Fiber Sign ID Number 16601. (Qwest Communication) FS Date: 4/24/2012	39.476260 ° -121.736230 °	39.476260 ° -121.736230 °	217 Y
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DWR ID: DWR_MA0013_02_f_2013_217

208	9.76	9.76	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:5962 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is an authorized or unauthorized encroachment. Unable to find permit number for this encroachment. Will need to coordinate with LMA Superintendent and DWR-Inspector, photo includes utility contact information. FIELD_STRUCT_DESC: Buried fiber optic line through the levee at depth unknown. Owner of line is Qwest Communications 1-800 At Fiber Sign ID Number 16601. (Qwest Communication) FS Date: 4/24/2012	39.476260 ° -121.736230 °	39.476260 ° -121.736230 °	218
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DWR ID: DWR_MA0013_02_f_2013_218

209	9.76	9.76	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:5561 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is authorized or unauthorized. Unable to find permit number for this encroachment. Will need to coordinate with LMA Superintendent and DWR-Inspector, photo includes utility contact information. FIELD_STRUCT_DESC: Buried fiber optic line through the levee at depth unknown. Owner of line is Qwest Communications 1-800 At Fiber Sign ID Number 16601. (Qwest Communication) FS Date: 4/24/2012	39.476260 ° -121.736230 °	39.476260 ° -121.736230 °	219
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DWR ID: DWR_MA0013_02_f_2013_219

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

212	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5825 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Authorize/unauthorize encroachment? Contact Rocklin/Roseville/Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c) or email villalovosf@kindermorgan.com for additional info. Inquiries pertaining to inspeciton submit to pipelineinquiries@kindermorgan.com for inspeciton and reference as Engr Station 3173+48 plus include coordinates. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia Magana. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com. For addional inquiries regarding crossing contact Frank Villalovos. FS Date: 4/24/2012</p>	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	222
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DWR ID: DWR_MA0013_02_f_2013_222

213	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5826 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Authorize/unauthorize encroachment? Contact Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c) or email villalovosf@kindermorgan.com for additional info. Inquiries pertaining to inspeciton submit to pipelineinquiries@kindermorgan.com and reference as Engr Station 3173+48 plus include coordinates. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com. For addional inquiries regarding crossing contact Frank Villalovos. FS Date: 4/24/2012</p>	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	223
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DWR ID: DWR_MA0013_02_f_2013_223

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02 f 2013 225

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

216	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5963 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Authorized/unauthorized encroachment? Contact Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c) or email villalovosf@kindermorgan.com for additional info. Inquiries pertaining to inspection submit to pipelineinquiries@kindermorgan.com and reference as Engr Station 3173+48 plus include coordinates. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com. For additional inquiries regarding crossing contact Frank Villalovos. FS Date: 4/24/2012</p>	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	226
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DWR ID: DWR_MA0013_02_f_2013_226

217	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5725 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine whether authorized or unauthorized encroachment. Unable to find permit number for this crossing. Applicant was contacted on 7/20/12 by Olivia Magana. I spoke with Ken Yeo the Local Area Manager phone number is 916.416.7938 regarding this crossing. Ken will try to find out whether a permit was issue for this crossing. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) FS Date: 4/24/2012</p>	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	227
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DWR ID: DWR_MA0013_02_f_2013_227

218	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5562 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine whether authorized or unauthorized encroachment. Unable to find permit number for this crossing. Need to coordinate with applicant pertaining to permit number. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) FS Date: 4/24/2012</p>	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	228
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DWR ID: DWR_MA0013_02_f_2013_228

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

219	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5345 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find permit for this crossing. Need to coordinate with applicant pertaining to permit number. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) FS Date: 4/24/2012	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	229
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DWR ID: DWR_MA0013_02_f_2013_229

220	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5342 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) FS Date: 4/24/2012	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	230
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DWR ID: DWR_MA0013_02_f_2013_230

221	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5823 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine whether authorized or unauthorize encroachment. Contact Rocklin/Roseville/Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c) or email villalovosf@kindermorgan.com for additional info. Inquiries pertaining to inspeciton submit to pipelineinquiries@kindermorgan.com for inspeciton and reference as Engineering Station 3173+48 plus include coordinates. FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia Magana. I spoke with Ken Yeo, Sacramento Local Area Manager regarding this crossing and he believes its an 8 inch diameter bored line through channel. His contact info is 916.416.7938 or yeok@kindermorgan.com FS Date: 4/24/2012	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	231
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DWR ID: DWR_MA0013_02_f_2013_231

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

222	9.78	9.78	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5821 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine whether authorized or unauthorize encroachment. See Description for additional information FIELD_STRUCT_DESC: High pressure line through levee at depth unknown. Owner of line is Kinder Morgan contact information is 213.624-9461. (Kinder Morgan) Applicant was contacted on 7/20/12 by Olivia Magana. I spoke with Ken Yeo, Sacramento Local Area Manager, 916.416.7938, regarding this crossing and he believes its an 8 inch diameter bored line through channel. Contact Rocklin/Roseville/Chico Local Area Manager, Frank Villalovos 530.342.6140 (o) or 530.624.4048 (c). email contact villalovosf@kindermorgan.com or yeok@kindermorgan.com. For inquiries submit to pipelineinquiries@kindermorgan.com for inspeciton of the line referenced line as Engineering Station 3173+48 plus include coordinates. FS Date: 4/24/2012</p>	39.476140 ° -121.736390 °	39.476140 ° -121.736390 °	232
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DWR ID: DWR_MA0013_02_f_2013_232

223	9.79	9.79	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5343 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Underground cable through the levee at depth unknown. Owner of encroachment is Pacific Telephone. FS Date: 4/24/2012</p>	39.475960 ° -121.736540 °	39.475960 ° -121.736540 °	233
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DWR ID: DWR_MA0013_02_f_2013_233

224	9.79	9.79	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:15596 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is an authorized or unauthorized encroachment. Unable to find permit number for this crossing. Will need to coordinate with Pacific Telephone to determine if permit exist for this crossing.7/9/2013 Same as last inspection. FIELD_STRUCT_DESC: Underground cable through the levee at depth unknown. Owner of encroachment is Pacific Telephone. FS Date: 7/11/2013 8:18:20 AM</p>	39.475960 ° -121.736540 °	39.475960 ° -121.736540 °	234
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DWR ID: DWR_MA0013_02_f_2013_234

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

225	9.79	9.79	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5563 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is authorize or unauthorize. Unable to find permint number for this crossing. Will need to coordinate with Pacific Telephone to determine if permit exist for this crossing. FIELD_STRUCT_DESC: Underground cable through the levee at depth unknown. Owner of encroachment is Pacific Telephone. FS Date: 4/24/2012	39.475960 ° -121.736540 °	39.475960 ° -121.736540 °	235
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DWR ID: DWR_MA0013_02_f_2013_235

226	9.79	9.79	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5726 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is an authorize or unauthorize encroachment. Unable to find permint number for this crossing. Will need to coordinate with Pacific Telephone to determine if permit exist for this crossing. FIELD_STRUCT_DESC: Underground cable through the levee at depth unknown. Owner of encroachment is Pacific Telephone. FS Date: 4/24/2012	39.475960 ° -121.736540 °	39.475960 ° -121.736540 °	236
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DWR ID: DWR_MA0013_02_f_2013_236

227	9.79	9.79	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5965 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing is an authorized or unauthorized encroachment. Unable to find permit number for this crossing. Will need to coordinate with Pacific Telephone to determine if permit exist for this crossing. FIELD_STRUCT_DESC: Underground cable through the levee at depth unknown. Owner of encroachment is Pacific Telephone. FS Date: 4/24/2012	39.475960 ° -121.736540 °	39.475960 ° -121.736540 °	237
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DWR ID: DWR_MA0013_02_f_2013_237

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

232	10.67	10.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15598 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved for 6-5/8 inch diameter not 8 inch. The permit granted permission to construct pipe to cross Cherokee Canal, Butte Creek, Clear Creek, & Ash Creek. The O&M manual list an 8 inch steel gas line at HLM 10.67, unable to determine if the gas line is the same crossing. Will need to contact applicant to obtain records. 7/8/2013 Same as last inspection. FIELD_STRUCT_DESC: 8-inch gas pipe through the levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67). FS Date: 7/11/2013 8:20:29 AM	39.464710 ° -121.743810 °	39.464710 ° -121.743810 °	241
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DWR ID: DWR_MA0013_02_f_2013_241

233	10.67	10.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5565 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved for 6-5/8 inch diameter not 8 inch. The permit granted permission to construct pipe to cross Cherokee Canal, Butte Creek, Clear Creek, & Ash Creek. The O&M manual list an 8 inch steel gas line at HLM 10.67, unable to determine if the gas line is the same crossing. Will need to contact applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pipe through the levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67). FS Date: 4/24/2012	39.464710 ° -121.743810 °	39.464710 ° -121.743810 °	242
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DWR ID: DWR_MA0013_02_f_2013_242

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

234	10.67	10.67	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4231 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved for 6-5/8 inch diameter not 8 inch line. The permit granted permission to construct pipe to cross Cherokee Canal, Butte Creek, Clear Creek, and Ash Creek. The O&M manual list an 8 inch steel gas line at historic levee mile 10.67, unable to determine if the gas line is the same crossing. Will need to contact applicant to obtain records of crossing at this location. FIELD_STRUCT_DESC: 8-inch gas pipe through the levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67). FS Date: 4/24/2012</p>	39.464710 ° -121.743810 °	39.464710 ° -121.743810 °	243 Y
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DWR ID: DWR_MA0013_02_f_2013_243

235	10.67	10.67	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5263 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved for 6-5/8 inch diameter not 8 inch. The permit granted permission to construct pipe to cross Cherokee Canal, Butte Creek, Clear Creek, & Ash Creek. The O&M manual list an 8 inch steel gas line at HLM 10.67, unable to determine if the gas line is the same crossing. Will need to contact applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pipe through the levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67). FS Date: 4/24/2012</p>	39.464710 ° -121.743810 °	39.464710 ° -121.743810 °	244
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DWR ID: DWR_MA0013_02_f_2013_244

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

236	10.67	10.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5262 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved for 6-5/8 inch diameter not 8 inch. The permit granted permission to construct pipe to cross Cherokee Canal, Butte Creek, Clear Creek, & Ash Creek. The O&M manual list an 8 inch steel gas line at HLM 10.67, unable to determine if the gas line is the same crossing. Will need to contact applicant to obtain records of crossing. FIELD_STRUCT_DESC: 8-inch gas pipe through the levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67). FS Date: 4/24/2012	39.464710 ° -121.743810 °	39.464710 ° -121.743810 °	245
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DWR ID: DWR_MA0013_02_f_2013_245

237	10.67	10.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5720 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved for 6-5/8 inch diameter not 8 inch. The permit granted permission to construct pipe to cross Cherokee Canal, Butte Creek, Clear Creek, & Ash Creek. The O&M manual list an 8 inch steel gas line at HLM 10.67, unable to determine if the gas line is the same crossing. Will need to contact applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pipe through the levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67). FS Date: 4/24/2012	39.464710 ° -121.743810 °	39.464710 ° -121.743810 °	246
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DWR ID: DWR_MA0013_02_f_2013_246

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

238	10.67	10.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5705 EP_NO: 1238 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit was approved for 6-5/8 inch diameter not 8 inch. The permit granted permission to construct pipe to cross Cherokee Canal, Butte Creek, Clear Creek, & Ash Creek. The O&M manual list an 8 inch steel gas line at HLM 10.67, unable to determine if the gas line is the same crossing. Will need to contact applicant to obtain records. FIELD_STRUCT_DESC: 8-inch gas pipe through the levee at unknown elevation. (Permit No. 1238-1947) Utility marker visible at the upstream face of highway bridge. Buried utility crosses bridge and crosses left bank of Cherokee Canal downstream of highway bridge. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 10.67). FS Date: 4/24/2012	39.464710 ° -121.743810 °	39.464710 ° -121.743810 °	247
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DWR ID: DWR_MA0013_02_f_2013_247

239	10.68	10.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4233 EP_NO: 10939 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: According to permit the existing pole and buried cable in the overflow area was to be removed. Pole is present in the channel. FIELD_STRUCT_DESC: Reroute a buried wire across the left bank levee of Cherokee Canal at State Highway 162 Bridge abutment from that point to the downstream side of the bridge. From there the wire extends to the gaging station at the center of the bridge. The facility maintains service to the Department of Water Resources' Metering Station midspan of the bridge. (Permit No. 10939-1976) FS Date: 4/24/2012	39.464590 ° -121.743910 °	39.464590 ° -121.743910 °	248
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DWR ID: DWR_MA0013_02_f_2013_248

240	10.68	10.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5264 EP_NO: 10939 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: According to permit the existing pole and buried cable in the overflow area were to be removed. Pole is present in the channel. FIELD_STRUCT_DESC: Reroute a buried wire across the left bank levee of Cherokee Canal at State Highway 162 Bridge abutment from that point to the downstream side of the bridge. From there the wire extends to the gaging station at the center of the bridge. The facility maintains service to the Department of Water Resources' Metering Station midspan of the bridge. (Permit No. 10939-1976) FS Date: 4/24/2012	39.464590 ° -121.743910 °	39.464590 ° -121.743910 °	249 Y
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DWR ID: DWR_MA0013_02_f_2013_249

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

241	10.70	11.79	Earthen Levee	Encroachments	LS	M	DT : Ditch	39.464305 °	39.450333 °	18
						En		-121.744172 °	-121.753157 °	Y
								DWR ID: DWR_MA0013_02_s_2012_18		

242	13.03	13.03	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:4234 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe and slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 4/24/2012	39.434779 °	39.434779 °	250
						En		-121.763936 °	-121.763936 °	
								DWR ID: DWR_MA0013_02_f_2013_250		

243	13.03	13.03	Supplemental	DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:5567 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 4/24/2012	39.434779 °	39.434779 °	251
						En		-121.763940 °	-121.763940 °	
								DWR ID: DWR_MA0013_02_f_2013_251		

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

246	13.03	13.03	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5265 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 4/24/2012</p>	39.434779 ° -121.763940 °	39.434779 ° -121.763940 °	254
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DWR ID: DWR_MA0013_02_f_2013_254

247	13.03	13.03	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5606 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 4/24/2012</p>	39.434779 ° -121.763940 °	39.434779 ° -121.763940 °	255
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DWR ID: DWR_MA0013_02_f_2013_255

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

248	13.03	13.03	Supplemental	DWR UCIP Field Study	LS M En	<p>Inspector Comments: FS_ID:4236 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe and slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 4/24/2012</p>	39.434779 ° -121.763936 °	39.434779 ° -121.763936 °	256
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DWR ID: DWR_MA0013_02_f_2013_256

249	13.03	13.03	Supplemental	DWR UCIP Field Study	LS M En	<p>Inspector Comments: FS_ID:15601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS. 7/8/2013 LS slope has been cleared of vegetation and is in good condition. LS headwall is now visible but mostly underwater so unable to do full inspection. WS is still vegetated. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 7/11/2013 8:22:12 AM</p>	39.434779 ° -121.763940 °	39.434779 ° -121.763940 °	257
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DWR ID: DWR_MA0013_02_f_2013_257

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

250	13.03	13.03	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:15602 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe & slide gate sedimented in. Limited inspection WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13F_2011_p_0147 for limited visibility of LS and WS. 7/8/2013 LS slope has been cleared of vegetation and is in good condition. LS headwall is now visible but mostly underwater so unable to do full inspection. WS is still vegetated. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Slide gate in ditch on the landward side. Pipe under channel is a 24-inch Delleher siphon (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.03). FS Date: 7/11/2013 8:24:42 AM</p>	39.434779 ° -121.763940 °	39.434779 ° -121.763940 °	258 Y
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DWR ID: DWR_MA0013_02_f_2013_258

251	13.55	14.10	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.428192 ° -121.768443 °	39.406240 ° -121.794863 °	19 Y
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DWR ID: DWR_MA0013_02_s_2012_19

252	15.62	15.62	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4238 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Could not find LS end of pipe. Limited inspection on WS and LS slopes and toe due to dense vegetation. Need photos of cleared WS and LS slopes, and LS headwall during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0011 for WS gate blocked by vegetation. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 10.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.62). FS Date: 4/24/2012</p>	39.419209 ° -121.773683 °	39.419209 ° -121.773683 °	259
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DWR ID: DWR_MA0013_02_f_2013_259

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_261

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_263Page 97 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

257	15.86	15.86	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall buried. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. Need to determine the fate of LS headwall. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 -- unknown issue.7/8/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.87). FS Date: 7/11/2013 8:34:39 AM	39.417043 ° -121.777240 °	39.417043 ° -121.777240 °	264
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DWR ID: DWR_MA0013_02_f_2013_264

258	15.86	15.86	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4239 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.87). FS Date: 4/24/2012	39.417043 ° -121.777244 °	39.417043 ° -121.777244 °	265
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DWR ID: DWR_MA0013_02_f_2013_265

259	15.86	15.86	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5607 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS headwall buried. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. Need to determine the fate of LS headwall. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 -- unknown issue. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.87). FS Date: 4/24/2012	39.417043 ° -121.777240 °	39.417043 ° -121.777240 °	266
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DWR ID: DWR_MA0013_02_f_2013_266

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_268

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

262	15.86	15.86	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4241 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0022 -- unknown issue. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.87). FS Date: 4/24/2012	39.417043 ° -121.777244 °	39.417043 ° -121.777244 °	269
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DWR ID: DWR_MA0013_02_f_2013_269

263	15.87	15.87	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3760 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.87). FS Date: 4/24/2012	39.417043 ° -121.777244 °	39.417043 ° -121.777244 °	270
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DWR ID: DWR_MA0013_02_f_2013_270

264	15.87	15.87	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS is not visible FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 15.87). FS Date: 4/24/2012	39.417043 ° -121.777244 °	39.417043 ° -121.777244 °	271
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DWR ID: DWR_MA0013_02_f_2013_271

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

265	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:3762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box- Should be under seperate permit for pump. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in Corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterward side. Divers on dam in stream. Pump located on the waterside berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/26/2012 10:54:00 AM</p>	39.413595 ° -121.782891 °	39.413595 ° -121.782891 °	272
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DWR ID: DWR_MA0013_02_f_2013_272

266	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5233 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. New pump installed recently work should be under seperate permit. Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 11.7 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distrib box on the waterward side. Divers on dam in stream. Pump located on the WS berm, pumps water from diversion dam into distrib box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/24/2012</p>	39.413595 ° -121.782890 °	39.413595 ° -121.782890 °	273
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DWR ID: DWR_MA0013_02_f_2013_273

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

267	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5707 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. Cracks in riser box. New pump installed recently this work might be covered under separate permit. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterside. Divers on dam in stream. Pump located on the waterward berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/24/2012</p>	39.413595 ° -121.782890 °	39.413595 ° -121.782890 °	274
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DWR ID: DWR_MA0013_02_f_2013_274

268	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:15609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. Cracks in riser box. New pump installed recently this work might be covered under separate permit. 7/8/2013 LS slope has been cleared of vegetation and is in good condition. LS headwall was underwater and unable to be inspected. All WS appurtenances in good condition. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterside. Divers on dam in stream. Pump located on the waterward berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 7/11/2013 8:36:03 AM</p>	39.413595 ° -121.782890 °	39.413595 ° -121.782890 °	275
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DWR ID: DWR_MA0013_02_f_2013_275

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

269	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:15610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. Cracks in riser box. New pump installed recently this work might be covered under separate permit. 7/8/2013 LS slope has been cleared of vegetation and is in good condition. LS headwall was underwater and unable to be inspected. All WS appurtenances in good condition. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterside. Divers on dam in stream. Pump located on the waterward berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 7/11/2013 8:38:16 AM</p>	39.413595 ° -121.782890 °	39.413595 ° -121.782890 °	276 Y
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DWR ID: DWR_MA0013_02_f_2013_276

270	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5229 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. New pump installed recently and work should be under separate permit. Limited inspection on LS slope due to dense vegetation. LS headwall is blocked by dense vegetation. Need photos of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 11.7 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterward side. Divers on dam in stream. Pump located on the waterside berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/24/2012</p>	39.413595 ° -121.782890 °	39.413595 ° -121.782890 °	277
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DWR ID: DWR_MA0013_02_f_2013_277

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_279Page 104 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

275	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5234 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. New pump installed recently work should be under separate permit. Limited inspection on LS slope due to dense vegetation. Need photos of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 11.7 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distrib box on the waterside. Divers on dam in stream. Pump located on the WS berm, pumps water from diversion dam into distrib box. Water then flows back through the levee to the LS field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/24/2012	39.413595 ° -121.782890 °	39.413595 ° -121.782890 °	282
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DWR ID: DWR_MA0013_02_f_2013_282

276	16.25	16.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cracks in riser box. New pump installed recently and work should be under separate permit. Limited inspection on LS slope due to dense vegetation. LS headwall is blocked by dense vegetation. Need photos of cleared LS slope and LS headwall. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 11.7 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on the landward side. Pipe discharges into distribution box on the waterward side. Divers on dam in stream. Pump located on the waterside berm, pumps water from diversion dam into distribution box. Water then flows back through the levee to the landward field. Provision can be made to send water over streambed to irrigation overflow area (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in the O&M manual (HLM 16.26). FS Date: 4/24/2012	39.413595 ° -121.782890 °	39.413595 ° -121.782890 °	283
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DWR ID: DWR_MA0013_02_f_2013_283

277	17.05	18.93	Earthen Levee	Encroachments	LS	M En	DT : Ditch	° 39.389187 ° ° -121.821233 °	20 Y
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DWR ID: DWR_MA0013_02_s_2012_20

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

278	17.06	17.06	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3361 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at approximately 14.5 feet below crown. There is a flapgate located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.06). FS Date: 4/24/2012	39.406408 ° -121.794638 °	39.406408 ° -121.794638 °	284
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DWR ID: DWR_MA0013_02_f_2013_284

279	17.06	17.06	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15613 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limited inspection will need to verify if any features are still present at this location during the next inspection. 7/8/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at approximately 14.5 feet below crown. There is a flapgate located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.06). FS Date: 7/11/2013 8:42:10 AM	39.406410 ° -121.794600 °	39.406410 ° -121.794600 °	285
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DWR ID: DWR_MA0013_02_f_2013_285

280	17.06	17.06	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5708 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limited inspection will need to verify if any features are still present at this location during the next inspection. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at approximately 14.5 feet below crown. There is a flapgate located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.06). FS Date: 4/24/2012	39.406410 ° -121.794600 °	39.406410 ° -121.794600 °	286
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DWR ID: DWR_MA0013_02_f_2013_286

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

284	17.06	17.06	Supplemental DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3446 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at approximately 14.5 feet below crown. There is a flapgate located on the waterward side. (USACE-1962) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 17.06). FS Date: 4/24/2012	39.406410 ° -121.794600 °	39.406410 ° -121.794600 °	290
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285	17.06	17.06	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4805 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on the slopes restricted the field inspection at this crossing. Need photos of cleared WS and LS slopes. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. Walkway and slide gate located on the landward end. Concrete "U" headwalls on both end (USACE-1960). FS Date: 4/24/2012	39.406401 ° -121.794640 °	39.406401 ° -121.794640 °	291
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286	17.06	17.06	Supplemental DWR UCIP Field Study	LS	M	Inspector Comments: FS_ID:4242	39.406401 °	39.406401 °	292
					En	EP_NO: N/A	-121.794638 °	-121.794638 °	
						Repair Type: Non-Urgent			
						Crossing Status: Found			
						UCIP Comments: Dense vegetation on the slopes restricted the field inspection at this crossing. Need photos of cleared WS and LS slopes.			
						FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. Walkway and slide gate located on the landward end. Concrete "U" headwalls on both end (USACE-1960).			
						FS Date: 4/26/2012 10:42:00 AM			

DWR ID: DWR MA0013 02 f 2013 292

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_295Page 110 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

290	17.06	17.06	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5828 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on the slopes restricted the field inspection at this crossing. Need photos of cleared WS and LS slopes, and appurtenances. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 14.7 feet below the crown. Flap gate on the waterward end. Walkway and slide gate located on the landward end. Concrete "U" headwalls on both end (USACE-1960). FS Date: 4/24/2012	39.406401 ° -121.794640 °	39.406401 ° -121.794640 °	296
DWR ID: DWR_MA0013_02_f_2013_296										

291	17.55	17.66	Earthen Levee	Encroachments	LS	M En	TR : Tree or limb	39.401937 ° -121.801512 °	39.400881 ° -121.803139 °	5 Y
DWR ID: DWR_MA0013_02_s_2013_5										

292	18.37	18.37	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3765 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limited field inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 4/26/2012 10:28:00 AM	39.394406 ° -121.813178 °	39.394406 ° -121.813178 °	297 Y
DWR ID: DWR_MA0013_02_f_2013_297										

293	18.37	18.37	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3764 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 4/26/2012 10:28:00 AM	39.394406 ° -121.813178 °	39.394406 ° -121.813178 °	298
DWR ID: DWR_MA0013_02_f_2013_298										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

294	18.37	18.37	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0134 for unknown culvert size on LS and no outlet visible on WS. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 4/24/2012</p>	39.394406 ° -121.813180 °	39.394406 ° -121.813180 °	299
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DWR ID: DWR_MA0013_02_f_2013_299

295	18.37	18.37	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:15618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0134 for unknown culvert size on LS and no outlet visible on WS. 7/8/2013 LS slope cleared of vegetation and is in good condition. WS is still vegetated. LS pipe end under water and blocked off by plywood so unable to measure culvert size. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 7/11/2013 8:49:14 AM</p>	39.394406 ° -121.813180 °	39.394406 ° -121.813180 °	300
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DWR ID: DWR_MA0013_02_f_2013_300

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02 f 2013 302Page 113 of 168

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Cherokee Canal				Left	23.10	10/31/2013 10/31/2013	Bob Duffey	

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
298	18.37	18.37	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5710 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0134 for unknown culvert size on LS and no outlet visible on WS. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 4/24/2012	39.394406 ° -121.813180 °	39.394406 ° -121.813180 °	303
DWR ID: DWR_MA0013_02_f_2013_303										
299	18.37	18.37	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15615 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0134 for unknown culvert size on LS and no outlet visible on WS. 7/8/2013 LS slope cleared of vegetation and is in good condition. WS is still very dense. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 13.2 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 18.37). FS Date: 7/11/2013 8:44:25 AM	39.394406 ° -121.813180 °	39.394406 ° -121.813180 °	304
DWR ID: DWR_MA0013_02_f_2013_304										
300	19.58	20.15	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.383252 ° -121.830565 °	39.378192 ° -121.838543 °	21 Y
DWR ID: DWR_MA0013_02_s_2012_21										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

301	20.15	20.15	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3420 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838566 °	39.378198 ° -121.838566 °	305
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DWR ID: DWR_MA0013_02_f_2013_305

302	20.15	20.15	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3767 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion behind WS headwall. Dense vegetation limited visual inspection of crossing. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838566 °	39.378198 ° -121.838566 °	306 Y
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DWR ID: DWR_MA0013_02_f_2013_306

303	20.15	20.15	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3345 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838566 °	39.378198 ° -121.838566 °	307
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DWR ID: DWR_MA0013_02_f_2013_307

304	20.15	20.15	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3343 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	308
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DWR ID: DWR_MA0013_02_f_2013_308

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

305	20.15	20.15	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15623 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. 7/8/2013 Erosion problem same as last inspection. WS and LS slopes have been cleared of vegetation and are in good shape. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 7/11/2013 8:58:16 AM	39.378198 ° -121.838570 °	39.378198 ° -121.838570 °	309
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DWR ID: DWR_MA0013_02_f_2013_309

306	20.15	20.15	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4245 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. Need to determine the extent of the erosion severity on WS. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838566 °	39.378198 ° -121.838566 °	310
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DWR ID: DWR_MA0013_02_f_2013_310

307	20.15	20.15	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4246 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Fix erosion behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838566 °	39.378198 ° -121.838566 °	311
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DWR ID: DWR_MA0013_02_f_2013_311

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

308	20.15	20.15	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:15621 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. 7/8/2013 Erosion problem same as last inspection. WS and LS slopes have been cleared of vegetation and are in good shape. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 7/11/2013 8:53:29 AM	39.378198 ° -121.838570 °	39.378198 ° -121.838570 °	312
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DWR ID: DWR_MA0013_02_f_2013_312

309	20.15	20.15	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:5577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838570 °	39.378198 ° -121.838570 °	313
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DWR ID: DWR_MA0013_02_f_2013_313

310	20.15	20.15	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:15622 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. 7/8/2013 Erosion problem same as last inspection. WS and LS slopes have been cleared of vegetation and are in good shape. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 7/11/2013 8:55:48 AM	39.378198 ° -121.838570 °	39.378198 ° -121.838570 °	314
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DWR ID: DWR_MA0013_02_f_2013_314

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

311	20.15	20.15	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5268 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838570 °	39.378198 ° -121.838570 °	315
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DWR ID: DWR_MA0013_02_f_2013_315

312	20.15	20.15	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind WS headwall. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes during next inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 13.1 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 20.15). FS Date: 4/24/2012	39.378198 ° -121.838570 °	39.378198 ° -121.838570 °	316
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DWR ID: DWR_MA0013_02_f_2013_316

313	20.72	20.99	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	39.372724 ° -121.846022 °	39.370732 ° -121.850282 °	6 Y
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DWR ID: DWR_MA0013_02_s_2013_6

314	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5578 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850490 °	39.370676 ° -121.850490 °	317
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DWR ID: DWR_MA0013_02_f_2013_317

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

315	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15625 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damaged--section missing. Buried section of pipe could be in the same condition. Crossing needs to be repair will need to coordinate with applicant. WS slide gate handle missing. 7/8/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 7/11/2013 9:01:30 AM	39.370676 ° -121.850490 °	39.370676 ° -121.850490 °	318 Y
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DWR ID: DWR_MA0013_02_f_2013_318

316	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4271 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	319
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DWR ID: DWR_MA0013_02_f_2013_319

317	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4268 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	320
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DWR ID: DWR_MA0013_02_f_2013_320

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

318	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4275 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	321
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DWR ID: DWR_MA0013_02_f_2013_321

319	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4267 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. Sink hole present on WS. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	322
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DWR ID: DWR_MA0013_02_f_2013_322

320	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4260 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	323
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DWR ID: DWR_MA0013_02_f_2013_323

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

321	21.00	21.00	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:4262 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. Sink hole present on WS. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	324
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DWR ID: DWR_MA0013_02_f_2013_324

322	21.00	21.00	Supplemental	DWR UCIP Field Study	LS En	U	Inspector Comments: FS_ID:5721 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Buried section of pipe could be in the same condition. Crossing needs to be repair will need to coordinate with applicant. WS slide gate handle missing. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850490 °	39.370676 ° -121.850490 °	325
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DWR ID: DWR_MA0013_02_f_2013_325

323	21.00	21.00	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3769 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates- Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	326
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DWR ID: DWR_MA0013_02_f_2013_326

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

324	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5966 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damaged-- section missing. Buried section of pipe could be in the same condition. Crossing needs to be repair will need to coordinate with applicant. WS slide gate handle missing. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850490 °	39.370676 ° -121.850490 °	327
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DWR ID: DWR_MA0013_02_f_2013_327

325	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3780 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates-- Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	328
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DWR ID: DWR_MA0013_02_f_2013_328

326	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS slide gate handle missing. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850490 °	39.370676 ° -121.850490 °	329
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DWR ID: DWR_MA0013_02_f_2013_329

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

327	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3347 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates- Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	330
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DWR ID: DWR_MA0013_02_f_2013_330

328	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3782 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates- screw gate handle missing. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	331
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DWR ID: DWR_MA0013_02_f_2013_331

329	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3340 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates- screw gate handle missing. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	332
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DWR ID: DWR_MA0013_02_f_2013_332

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

330	21.00	21.00	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3342 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates- Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370687 ° -121.850481 °	39.370687 ° -121.850481 °	333
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DWR ID: DWR_MA0013_02_f_2013_333

331	21.00	21.00	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:3768 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipes eroding behind flapgates- Screw gate handle missing FIELD_STRUCT_DESC: 1 of 3: 16-inch steel pipes encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370676 ° -121.850486 °	39.370676 ° -121.850486 °	334
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DWR ID: DWR_MA0013_02_f_2013_334

332	21.00	21.00	Supplemental	DWR UCIP Field Study	LS En	U	Inspector Comments: FS_ID:15628 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present on WS. LS pipe collars severely damaged--section missing. Crossing needs repair. Need to coordinate with owner.7/8/2013 Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 7/11/2013 9:04:10 AM	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	335
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DWR ID: DWR_MA0013_02_f_2013_335

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

333	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15627 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damaged--section missing. Crossing needs repair. Will need to coordinate with owner.7/8/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 7/11/2013 9:03:33 AM	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	336
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DWR ID: DWR_MA0013_02_f_2013_336

334	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5611 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	337
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DWR ID: DWR_MA0013_02_f_2013_337

335	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4269 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	338
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DWR ID: DWR_MA0013_02_f_2013_338

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

339	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5685 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair. Will need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	342
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DWR ID: DWR_MA0013_02_f_2013_342

340	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4276 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present on WS. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	343
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DWR ID: DWR_MA0013_02_f_2013_343

341	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5968 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present on WS. LS pipe collars severely damaged--section missing. Crossing needs repair. Need to coordinate with owner. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	344
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DWR ID: DWR_MA0013_02_f_2013_344

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

342	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4270 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present on WS. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	345
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DWR ID: DWR_MA0013_02_f_2013_345

343	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3329 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: See notes on LM 21.00. Sink hole above pump (between screwgate & pump). FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	346
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DWR ID: DWR_MA0013_02_f_2013_346

344	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4264 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present on WS. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	347
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DWR ID: DWR_MA0013_02_f_2013_347

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

345	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	348
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DWR ID: DWR_MA0013_02_f_2013_348

346	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4266 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	349
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DWR ID: DWR_MA0013_02_f_2013_349

347	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4274 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	350
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DWR ID: DWR_MA0013_02_f_2013_350

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

348	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4273 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present on WS. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	351
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DWR ID: DWR_MA0013_02_f_2013_351

349	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:4272 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	352
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DWR ID: DWR_MA0013_02_f_2013_352

350	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5579 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	353
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DWR ID: DWR_MA0013_02_f_2013_353

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

351	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sink hole present on WS. LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 3 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	354
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DWR ID: DWR_MA0013_02_f_2013_354

352	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4263 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damage--section missing. Crossing needs repair need to coordinate with applicant. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850495 °	39.370679 ° -121.850495 °	355
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DWR ID: DWR_MA0013_02_f_2013_355

353	21.00	21.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:5967 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: LS pipe collars severely damaged--section missing. Crossing needs repair. Will need to coordinate with owner. FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe encased in reinforced concrete through the levee, 9.7 feet below the crown. Concrete "U" headwall on both ends. Slide gates on corrugated metal pipe risers on the waterward slope. Pump structure on the waterward end (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.00). FS Date: 4/24/2012	39.370679 ° -121.850500 °	39.370679 ° -121.850500 °	356
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DWR ID: DWR_MA0013_02_f_2013_356

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

354	21.59	21.59	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3415 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Angles though levee/ erosion around/ possible piping along exterior of pipe/ No Head on LS FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9- feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. FS Date: 4/24/2012	39.366155 ° -121.859876 °	39.366155 ° -121.859876 °	357
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DWR ID: DWR_MA0013_02_f_2013_357

355	21.59	21.59	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3785 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Angles though levee/ erosion around/ possible piping along exterior of pipe/ No Head on LS FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9- feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. FS Date: 4/24/2012	39.366155 ° -121.859876 °	39.366155 ° -121.859876 °	358 Y
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DWR ID: DWR_MA0013_02_f_2013_358

356	21.59	21.59	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3784 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Angles though levee/ erosion around/ possible piping along exterior of pipe/ No Head on LS FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9- feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. FS Date: 4/24/2012	39.366155 ° -121.859876 °	39.366155 ° -121.859876 °	359
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DWR ID: DWR_MA0013_02_f_2013_359

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

357	21.59	21.59	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3783 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Angles though levee/ erosion around/ possible piping along exterior of pipe/ No Head on LS FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9- feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. FS Date: 4/24/2012	39.366155 ° -121.859876 °	39.366155 ° -121.859876 °	360
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DWR ID: DWR_MA0013_02_f_2013_360

358	21.59	21.59	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3328 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Angles though levee/ erosion around/ possible piping along exterior of pipe/ No Head on LS FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9- feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. FS Date: 4/24/2012	39.366155 ° -121.859876 °	39.366155 ° -121.859876 °	361
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DWR ID: DWR_MA0013_02_f_2013_361

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

359	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5687 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present-- damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	362
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DWR ID: DWR_MA0013_02_f_2013_362

360	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5971 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Needs repair. Internal piping along pipe alignment visible from LS pipe daylight, pipe wall missing due to severe corrosion visible on LS toe. Debris present-- damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	363
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DWR ID: DWR_MA0013_02_f_2013_363

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

361	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5613 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present--damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	364
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DWR ID: DWR_MA0013_02_f_2013_364

362	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5972 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Needs repair. Internal piping, pipe wall missing due to severe corrosion visible on LS toe. Debris present--damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	365
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DWR ID: DWR_MA0013_02_f_2013_365

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

363	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5973 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Needs repair. Internal piping, severe corrosion, gate missing. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	366
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DWR ID: DWR_MA0013_02_f_2013_366

364	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5970 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles through levee, internal piping along pipe alignment visible from LS pipe daylight, pipe wall missing due to severe corrosion visible on LS toe. Debris present--damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	367
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DWR ID: DWR_MA0013_02_f_2013_367

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

365	21.60	21.60	Supplemental	DWR UCIP Field Study	LS En	M	<p>Inspector Comments: FS_ID:4807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present--damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	368
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DWR ID: DWR_MA0013_02_f_2013_368

366	21.60	21.60	Supplemental	DWR UCIP Field Study	LS En	U	<p>Inspector Comments: FS_ID:15629 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. 7/8/2013 Pipe appears to have been repaired. Need to talk to inspections and supervisor to find out more details on repair. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 7/11/2013 9:05:06 AM</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	369
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DWR ID: DWR_MA0013_02_f_2013_369

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

367	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:16686 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. 7/8/2013 Pipe appears to have been repaired. Need to talk to inspections and supervisor to find out more details on repair. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 7/11/2013 9:13:00 AM</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	370
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DWR ID: DWR_MA0013_02_f_2013_370

368	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5974 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	371
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DWR ID: DWR_MA0013_02_f_2013_371

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

369	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5581 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present--damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	372
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DWR ID: DWR_MA0013_02_f_2013_372

370	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:15631 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Needs repair. Internal piping, severe corrosion. Debris present--rusted pipe stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. 7/8/2013 Pipe appears to have been repaired. Need to talk to inspections and supervisor to find out more details on repair. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 7/11/2013 9:13:12 AM</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	373
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DWR ID: DWR_MA0013_02_f_2013_373

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

371	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:4277 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. Crossing angles though levee, possible internal piping along pipe alignment visible from exterior of LS pipe, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present--Damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. This crossing was listed in the USACE Periodic Inspection report (Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231. Crossing penetrates levee at angle. FS Date: 4/24/2012</p>	39.366155 ° -121.859876 °	39.366155 ° -121.859876 °	374
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DWR ID: DWR_MA0013_02_f_2013_374

372	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:5969 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present--damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	375
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DWR ID: DWR_MA0013_02_f_2013_375

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

373	21.60	21.60	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5615 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is in need of repair. The crossing angles though levee, possible internal piping along pipe alignment which is visible from LS pipe daylight, no headwall on LS, pipe wall missing due to severe corrosion visible on LS toe. Debris present--damage pipe is stockpiled on LS slope. Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS & LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0234 for no WS gate but sluice gate present. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 8.2 feet below the crown. Crossing penetrates levee at angle. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe crosses the channel (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 21.60). Corroded section of existing pipe, 9-feet 8-inches of an 18-inch CMP section, was replaced under Permit 7231 prior to 1974. FS Date: 4/24/2012</p>	39.366155 ° -121.859880 °	39.366155 ° -121.859880 °	376
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DWR ID: DWR_MA0013_02_f_2013_376

374	22.06	22.06	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5711 EP_NO: 17504 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to find crossing during spring inspection. Will need to verify during Fall inspection when vegetation is removed from slopes. FIELD_STRUCT_DESC: 30 inch diameter gas pipeline across and under (bored) Cherokee Canal and its levees with minimum of 50 feet of cover below the levee toes. (Permit No. 17504-2004, David D. Davis-Matrix Environmental Planning) FS Date: 4/24/2012</p>	39.362520 ° -121.867030 °	39.362520 ° -121.867030 °	377
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DWR ID: DWR_MA0013_02_f_2013_377

375	22.06	22.06	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:5346 EP_NO: 17504 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to find during spring inspection. Will need to verify during Fall inspection when vegetation is removed from slopes. FIELD_STRUCT_DESC: 30 inch diameter gas pipeline across and under (bored) Cherokee Canal and its levees with minimum of 50 feet of cover below the levee toes. (Permit No. 17504-2004, David D. Davis-Matrix Environmental Planning) FS Date: 4/24/2012</p>	39.362520 ° -121.867030 °	39.362520 ° -121.867030 °	378
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DWR ID: DWR_MA0013_02_f_2013_378

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

376	22.06	22.06	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5347 EP_NO: 17504 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to find during spring inspection. Will need to verify during Fall inspection when vegetation is removed from slopes. FIELD_STRUCT_DESC: 30 inch diameter gas pipeline across and under (bored) Cherokee Canal and its levees with minimum of 50 feet of cover below the levee toes. (Permit No. 17504-2004, David D. Davis-Matrix Environmental Planning) FS Date: 4/24/2012	39.362520 ° -121.867030 °	39.362520 ° -121.867030 °	379
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DWR ID: DWR_MA0013_02_f_2013_379

377	22.08	22.08	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:5712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0251 for no outlet visible on WS. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 11.6 feet below the crown. Flap Rate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.08). FS Date: 4/24/2012	39.362378 ° -121.867350 °	39.362378 ° -121.867350 °	380 Y
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DWR ID: DWR_MA0013_02_f_2013_380

378	22.08	22.08	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15634 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0251 for no outlet visible on WS. 7/8/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 11.6 feet below the crown. Flap Rate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.08). FS Date: 7/11/2013 9:17:28 AM	39.362378 ° -121.867350 °	39.362378 ° -121.867350 °	381
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DWR ID: DWR_MA0013_02_f_2013_381

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
379	22.08	22.08	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:4278 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Limited inspection on WS and LS slopes due to dense vegetation. Need photos of cleared WS and LS slopes. This crossing was listed in the USACE Periodic Inspection report as Corp's inspect ID# USACE_CESPK_M13E_2011_p_0251 for no outlet visible on WS. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 11.6 feet below the crown. Flap Rate on the waterward end. Concrete "U" headwalls on both ends (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 22.08). FS Date: 4/24/2012	39.362378 ° -121.867345 °	39.362378 ° -121.867345 °	382
DWR ID: DWR_MA0013_02_f_2013_382										
380	22.11	22.11	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3313 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Underground telephone cable along landside crown. FS Date: 4/24/2012	39.362103 ° -121.867821 °	39.362103 ° -121.867821 °	383
DWR ID: DWR_MA0013_02_f_2013_383										
381	22.11	22.11	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:3312 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Underground telephone cable through the levee. Depth unknown. FS Date: 4/24/2012	39.362103 ° -121.867821 °	39.362103 ° -121.867821 °	384
DWR ID: DWR_MA0013_02_f_2013_384										
382	22.11	22.11	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:3940 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Line extends from Gridley Colusa Hwy to south end of project levee along LS hinge of crown road. Levee sloughs along cable trench after heavy rains. FIELD_STRUCT_DESC: Underground telephone cable along landside crown. FS Date: 4/24/2012	39.362150 ° -121.867770 °	39.362150 ° -121.867770 °	385
DWR ID: DWR_MA0013_02_f_2013_385										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

383	22.11	22.11	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:3315 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Line extends from Gridley Colusa Hwy to south end of project levee along LS hinge of crown road. Levee sloughs along cable trench after heavy rains. FIELD_STRUCT_DESC: Underground telephone cable along landside crown. FS Date: 4/24/2012	39.362150 ° -121.867770 °	39.362150 ° -121.867770 °	386 Y
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DWR ID: DWR_MA0013_02_f_2013_386

384	22.11	22.11	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:5269 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Illegal Encroachment. This crossing is listed multiple times in the USACE Periodic Inspection report as USACE_CESPK_M13E_2011_p_0307, 0315, 0317, 0318 for slope failure on LS hinge. DWR-Flood Maintenance Office records shows that CVFPB has requested AT&T to remove conduit in June 2, 2009 letter. LMA waiting for CVFPB action. FIELD_STRUCT_DESC: Illegal encroachment. Underground telephone cable through the levee. Depth unknown. (AT&T) START latitude 39.36210336, longitude -121.8678207 END latitude 39.35458541, longitude -121.8823409. Line extends from Gridley Colusa Highway to the south end of project levee along LS shoulder & levee crown hinge point. Levee sloughs along cable trench after heavy rains. FS Date: 4/24/2012	39.362103 ° -121.867820 °	39.362103 ° -121.867820 °	387
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DWR ID: DWR_MA0013_02_f_2013_387

385	22.11	22.11	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:6080 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Unauthorized Encroachment. This crossing is listed multiple times in the USACE Periodic Inspection report as USACE_CESPK_M13E_2011_p_0307, 0315, 0317, 0318 for slope failure on LS hinge. DWR-Flood Maintenance Office records shows that CVFPB has requested AT&T to remove conduit in June 2, 2009 letter. LMA working with CVFPB to resolve. FIELD_STRUCT_DESC: Illegal encroachment. Underground telephone cable through the levee. Depth unknown. (AT&T) START latitude 39.36210336, longitude -121.8678207 END latitude 39.35458541, longitude -121.8823409. Line extends from Gridley Colusa Highway to the south end of project levee along LS shoulder & levee crown hinge point. Levee sloughs along cable trench after heavy rains. FS Date: 4/24/2012	39.362103 ° -121.867820 °	39.362103 ° -121.867820 °	388
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DWR ID: DWR_MA0013_02_f_2013_388

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0013

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Sutter Maintenance Yard Maintenance Area 0013

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_s_2012_4

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_398

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02 f 2013 401

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Sutter Maintenance Yard Maintenance Area 0013

DWR ID: DWR_MA0013_02_f_2013_404

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

403	22.40	22.40	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:4161 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE-1960). FS Date: 4/24/2012 5:39:00 PM	39.359827 ° -121.872298 °	39.359827 ° -121.872298 °	405
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DWR ID: DWR_MA0013_02_f_2013_405

404	22.40	22.40	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:4162 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE-1960). FS Date: 4/24/2012 5:39:00 PM	39.359827 ° -121.872298 °	39.359827 ° -121.872298 °	406
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DWR ID: DWR_MA0013_02_f_2013_406

405	22.40	22.40	Supplemental	DWR UCIP Field Study	LS U En	Inspector Comments: FS_ID:4163 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE-1960). FS Date: 4/24/2012 5:39:00 PM	39.359827 ° -121.872298 °	39.359827 ° -121.872298 °	407
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DWR ID: DWR_MA0013_02_f_2013_407

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
406	22.40	22.40	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:3793 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE-1960). FS Date: 4/24/2012 5:39:00 PM	39.359827 ° -121.872298 °	39.359827 ° -121.872298 °	408
DWR ID: DWR_MA0013_02_f_2013_408										
407	22.40	22.40	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:4281 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. This pipe runs on an angle through the levee, then underground along the landward slope to levee mile 22.39 where it enters a ditch on the landward side (USACE-1960). FS Date: 4/24/2012 5:39:00 PM	39.359827 ° -121.872298 °	39.359827 ° -121.872298 °	409
DWR ID: DWR_MA0013_02_f_2013_409										
408	22.42	22.42	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	39.359707 ° -121.872555 °	39.359707 ° -121.872555 °	8 Y
DWR ID: DWR_MA0013_02_s_2012_8										
409	22.83	22.85	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	39.356498 ° -121.879030 °	39.356303 ° -121.879417 °	7 Y
DWR ID: DWR_MA0013_02_s_2012_7										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview looking south on left levee

UCIP_138.jpg



Levee Mile Report Line	26
Start Levee Mile	1.71
End Levee Mile	1.71
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slide gate. Sediment deposit near gate.

UCIP_1352.jpg



Levee Mile Report Line	38
Start Levee Mile	2.55
End Levee Mile	2.55
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Headwall and screw gates (2) located on land side of levee. Missing handle on screw gate 1 of 2.

UCIP_91.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	52
Start Levee Mile	2.64
End Levee Mile	2.64
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
View of slide gate looking upstream. Utility line downstream next to this crossing.	
UCIP_8257.jpg	



Levee Mile Report Line	55
Start Levee Mile	2.64
End Levee Mile	2.64
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Headwall and screw gate located on the LS	
UCIP_96.jpg	



Levee Mile Report Line	63
Start Levee Mile	3.61
End Levee Mile	3.61
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Flap gate submerged in water on WS of levee	
UCIP_101.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	79
Start Levee Mile	3.68
End Levee Mile	3.68
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Headwall and flap gate located on water side of levee	
UCIP_104.jpg	



Levee Mile Report Line	89
Start Levee Mile	3.86
End Levee Mile	3.86
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
On the LS unable to evaluate the LS slope around headwall due to dense vegetation.	
UCIP_8301.jpg	



Levee Mile Report Line	101
Start Levee Mile	4.21
End Levee Mile	4.21
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Overview of LS screw gate and concrete sump structure.	
UCIP_110.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	104
Start Levee Mile	4.58
End Levee Mile	5.00
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of agricultural ditch along the toe.

rduffey_s_20120312_341.jpg



Levee Mile Report Line	105
Start Levee Mile	4.70
End Levee Mile	4.70
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Headwall and flap gate located on water side of levee.

UCIP_116.jpg



Levee Mile Report Line	113
Start Levee Mile	5.06
End Levee Mile	5.06
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of side profile of LS headwall. Exposed headwall and possible erosion occurring behind headwall repaired by dumping rip rap.

UCIP_122.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	126
Start Levee Mile	5.08
End Levee Mile	5.08
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

New carsonite gas line marker

UCIP_9702.jpg



Levee Mile Report Line	147
Start Levee Mile	5.34
End Levee Mile	5.34
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS headwall with dense vegetation in channel.

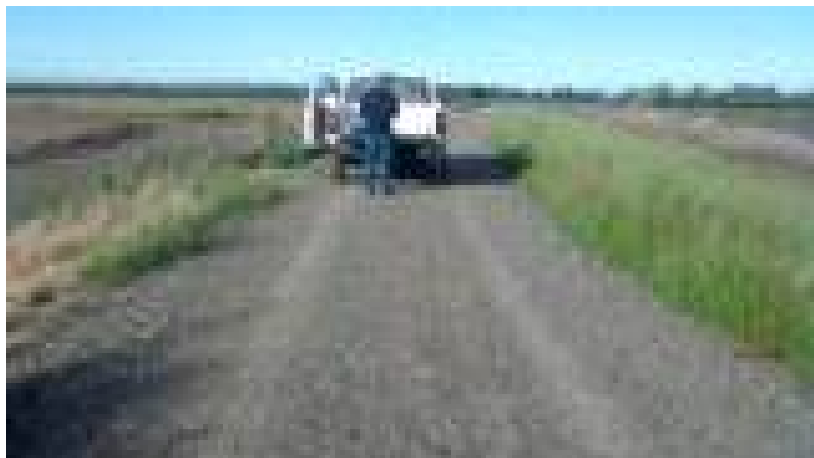
UCIP_592.jpg



Levee Mile Report Line	152
Start Levee Mile	5.40
End Levee Mile	5.40
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of site

UCIP_1476.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	159
Start Levee Mile	5.85
End Levee Mile	5.85
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Headwall and damaged/missing screw gate on land side of levee

UCIP_129.jpg



Levee Mile Report Line	185
Start Levee Mile	6.23
End Levee Mile	7.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

rduffey_s_20120312_334.jpg



Levee Mile Report Line	186
Start Levee Mile	6.75
End Levee Mile	6.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the burned and dragged slopes.

rduffey_f_20131118_148.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	189
Start Levee Mile	7.24
End Levee Mile	7.24
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of double box culvert with hand rail from landside.

UCIP_1168.jpg



Levee Mile Report Line	199
Start Levee Mile	8.38
End Levee Mile	8.38
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view cable line attached to highway bridge.

UCIP_2304.jpg



Levee Mile Report Line	200
Start Levee Mile	9.68
End Levee Mile	9.68
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS view of crossing. Dense vegetation along WS slope limited visual inspection. (WS Photo 2 of 2)

UCIP_2306.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	207
Start Levee Mile	9.76
End Levee Mile	9.76
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee crown at crossing.

UCIP_1578.jpg



Levee Mile Report Line	231
Start Levee Mile	10.14
End Levee Mile	10.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

rduffey_s_20120312_335.jpg



Levee Mile Report Line	234
Start Levee Mile	10.67
End Levee Mile	10.67
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Utility is angled. Alignment crosses highway.

UCIP_635.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	240
Start Levee Mile	10.68
End Levee Mile	10.68
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Pole within the channel was not removed.

UCIP_1535.jpg



Levee Mile Report Line	241
Start Levee Mile	10.70
End Levee Mile	11.79
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

rduffey_s_20120312_337.jpg



Levee Mile Report Line	250
Start Levee Mile	13.03
End Levee Mile	13.03
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of crossing looking downstream at the left bank of Cherokee Canal.

UCIP_8415.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	251
Start Levee Mile	13.55
End Levee Mile	14.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

rduffey_s_20120312_338.jpg



Levee Mile Report Line	253
Start Levee Mile	15.62
End Levee Mile	15.62
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

WS slope cleared of vegetation

UCIP_8435.jpg



Levee Mile Report Line	261
Start Levee Mile	15.86
End Levee Mile	15.86
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS headwall.

UCIP_1178.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	269
Start Levee Mile	16.25
End Levee Mile	16.25
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Appurtances on WS.

UCIP_8456.jpg



Levee Mile Report Line	277
Start Levee Mile	17.05
End Levee Mile	18.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

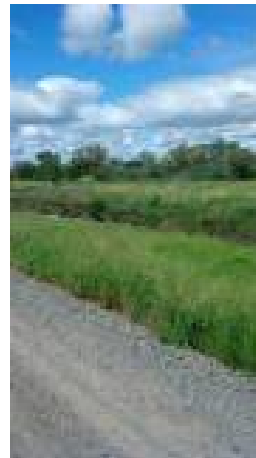
rduffey_s_20120312_339.jpg



Levee Mile Report Line	281
Start Levee Mile	17.06
End Levee Mile	17.06
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope.

UCIP_155.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	291
Start Levee Mile	17.55
End Levee Mile	17.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the prunings along the landside slope.

jhirabay_f_20131212_003.jpg



Levee Mile Report Line	292
Start Levee Mile	18.37
End Levee Mile	18.37
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS headwall.

UCIP_233.jpg



Levee Mile Report Line	300
Start Levee Mile	19.58
End Levee Mile	20.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the agricultural ditch along the toe.

rduffey_s_20120312_340.jpg



*** Location**

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	302
Start Levee Mile	20.15
End Levee Mile	20.15
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Erosion behind WS headwall looking at the downstream edge of headwall.

UCIP_162.jpg



Levee Mile Report Line	313
Start Levee Mile	20.72
End Levee Mile	20.99
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Trim the trees 5 feet to allow visibility along the landside slope.

jhirabay_f_20131212_002.jpg



Levee Mile Report Line	315
Start Levee Mile	21.00
End Levee Mile	21.00
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Corrugated metal pipe risers with slide gates located on WS slope.

UCIP_8509.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	355
Start Levee Mile	21.59
End Levee Mile	21.59
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS slope and pipe inlet.

UCIP_190.jpg



Levee Mile Report Line	377
Start Levee Mile	22.08
End Levee Mile	22.08
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of LS headwall.

UCIP_2339.jpg



Levee Mile Report Line	383
Start Levee Mile	22.11
End Levee Mile	22.11
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of utility line located on LS toe.

UCIP_237.jpg



*** Location**

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	393
Start Levee Mile	22.38
End Levee Mile	22.38
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping along the toe.

rduffey_s_20120312_329.jpg



Levee Mile Report Line	397
Start Levee Mile	22.39
End Levee Mile	22.39
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of corrugated metal risers located on WS.

UCIP_8566.jpg



Levee Mile Report Line	400
Start Levee Mile	22.40
End Levee Mile	22.40
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of WS slope looking from WS headwall to levee crown.

UCIP_8585.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Sutter Maintenance Yard Maintenance Area 0013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cherokee Canal	Left	23.10	10/31/2013 10/31/2013	Bob Duffey

Levee Mile Report Line	408
Start Levee Mile	22.42
End Levee Mile	22.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the debris & prunings.

rduffey_s_20120312_331.jpg



Levee Mile Report Line	409
Start Levee Mile	22.83
End Levee Mile	22.85
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of the along the canal.

rduffey_s_20120312_330.jpg



*** Location**

LS : Land Side
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CR : Crown

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Ma : Maintenance Deficiency
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En : Enforcement